

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

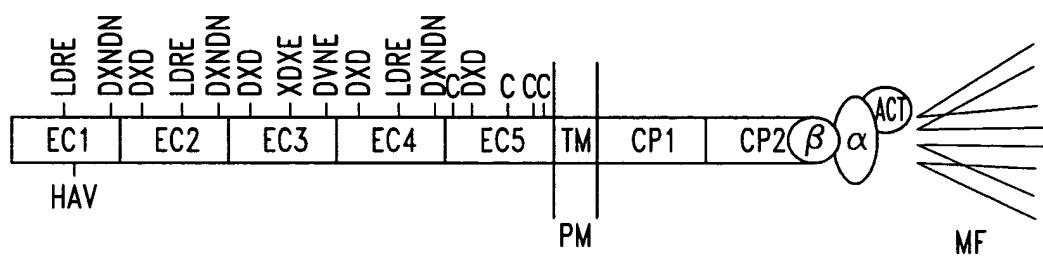


Fig. 1

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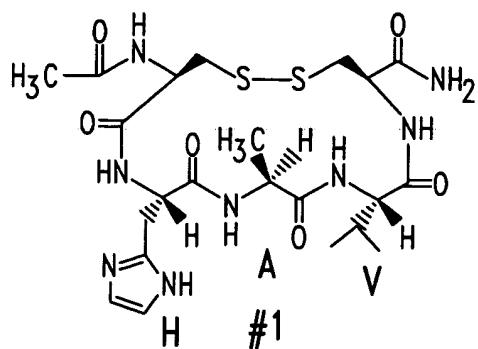
human N-cad
mouse N-cad
cow N-cad
human P-cad
mouse P-cad
human E-cad
mouse E-cad

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DWVIPPINLPENSRGFPQELVRRSDRKNSLRYSVTGPGADQPPPTGIFINPISSGQLSVTKPLDREI
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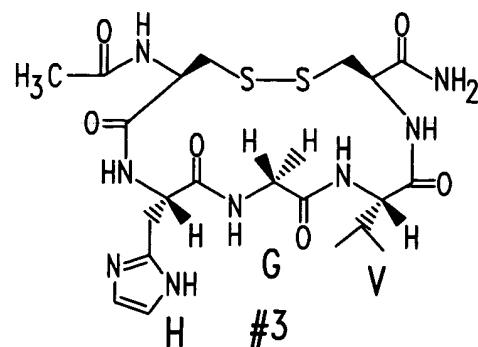
human N-cad
mouse N-cad
cow N-cad
human P-cad
mouse P-cad
human E-cad
mouse E-cad

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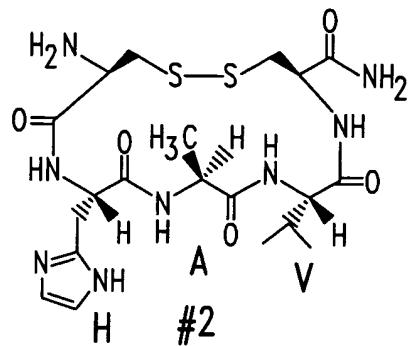
Fig. 2



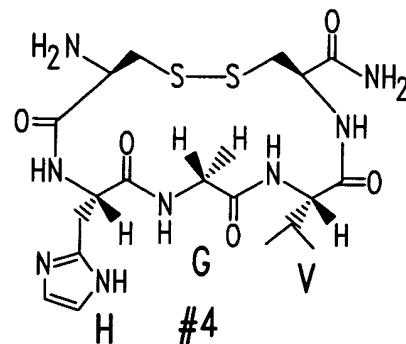
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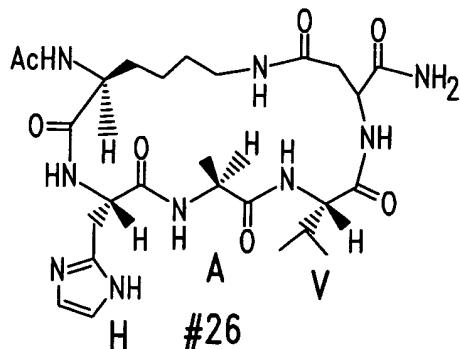
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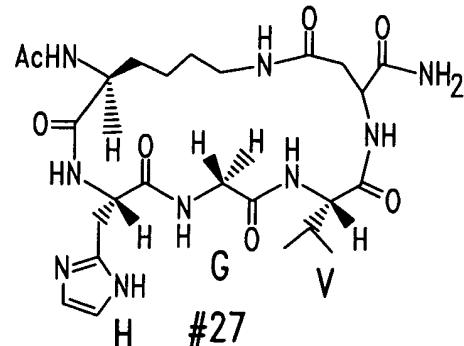
H-CHAVC-NH₂



H-CHGVC-NH₂



N-Ac-KHAVD-NH₂

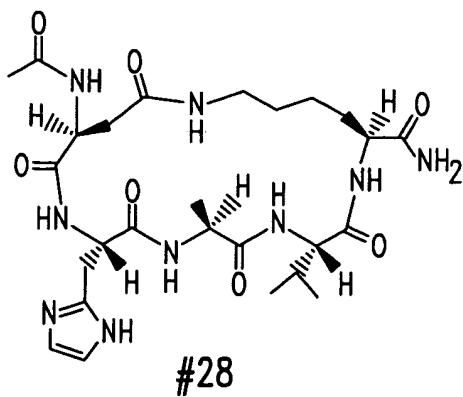


N-Ac-KHGVD-NH₂

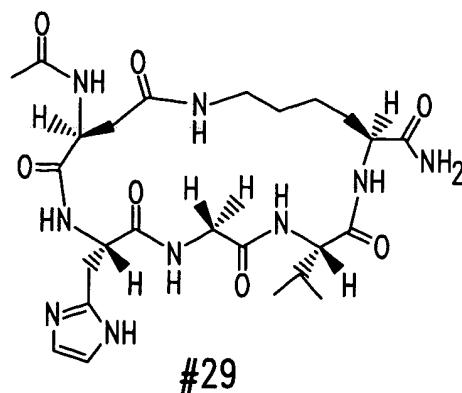
Fig. 3A

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

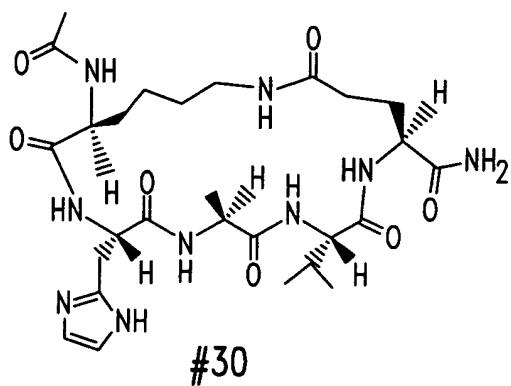
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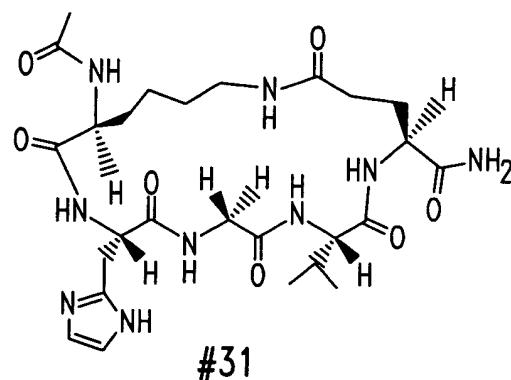
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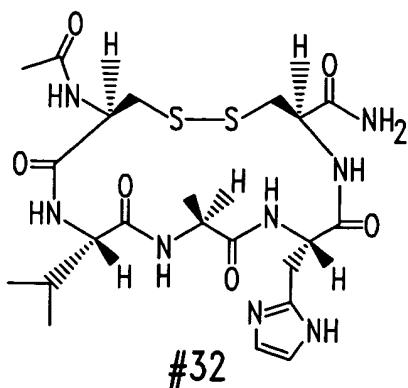
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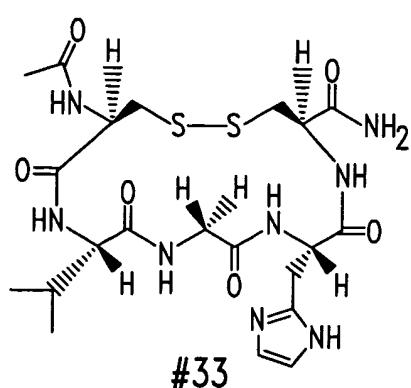
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N-Ac-KHGVE-NH₂

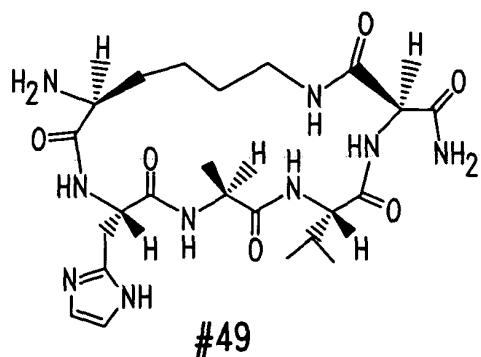


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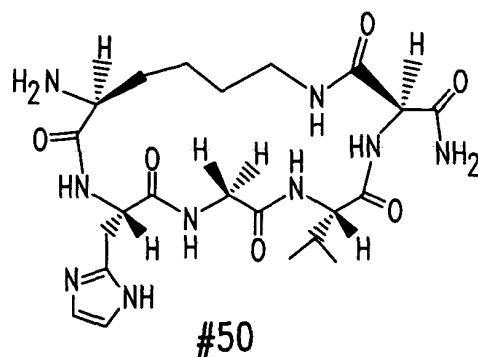


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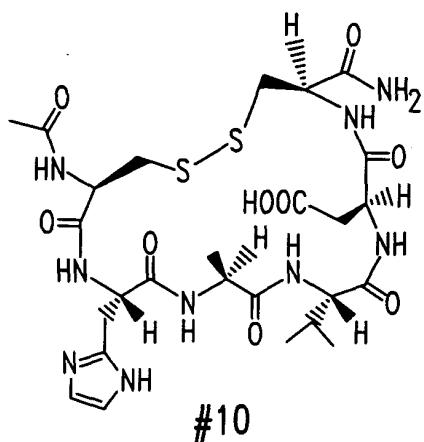
Fig. 3B



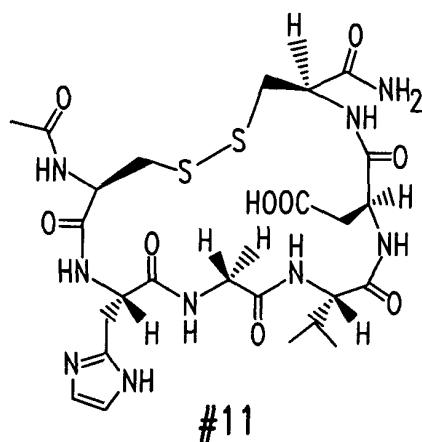
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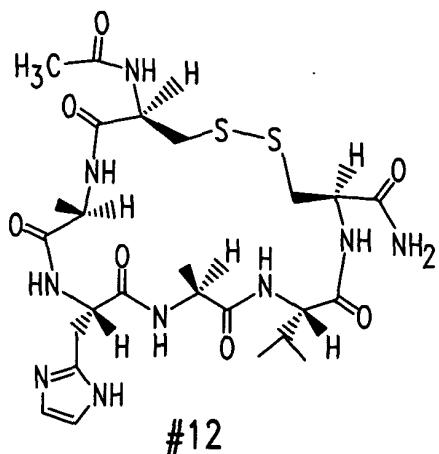
H-KHGVD-NH₂



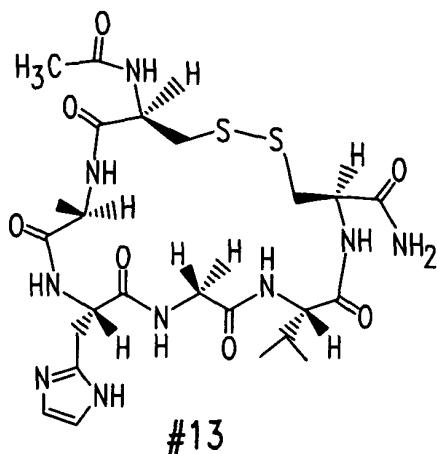
N-Ac-CHAVDC-NH₂



N-Ac-CHGVDC-NH₂

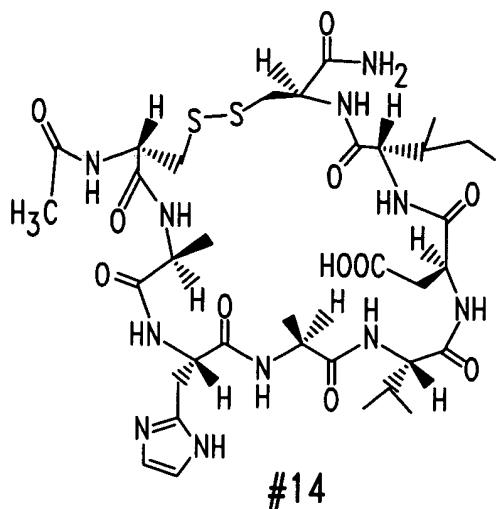
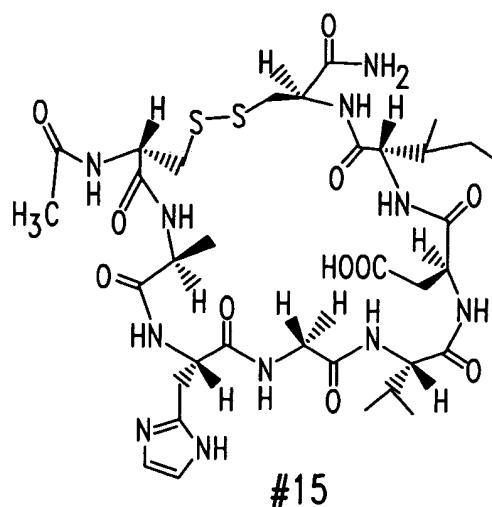
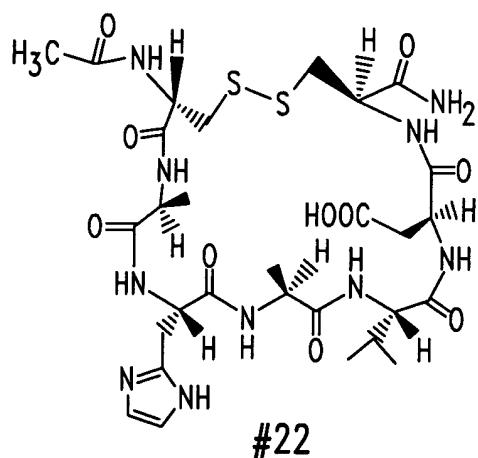
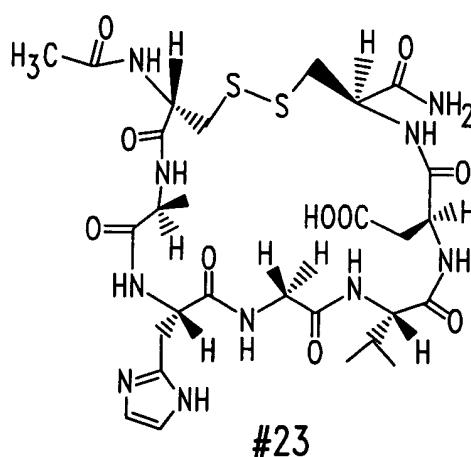
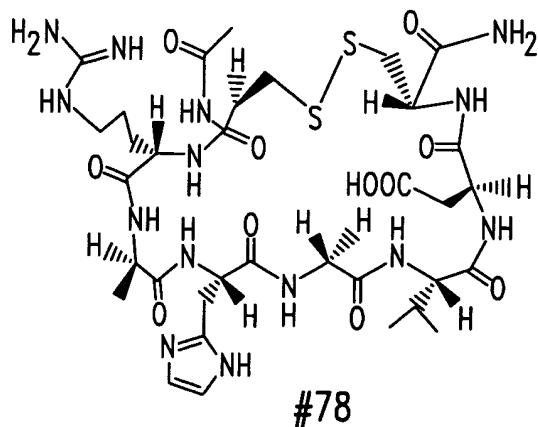
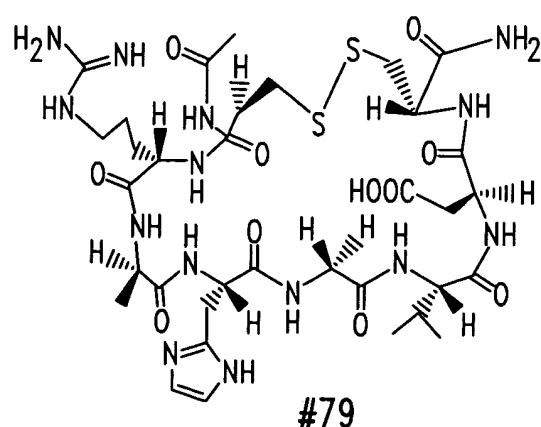


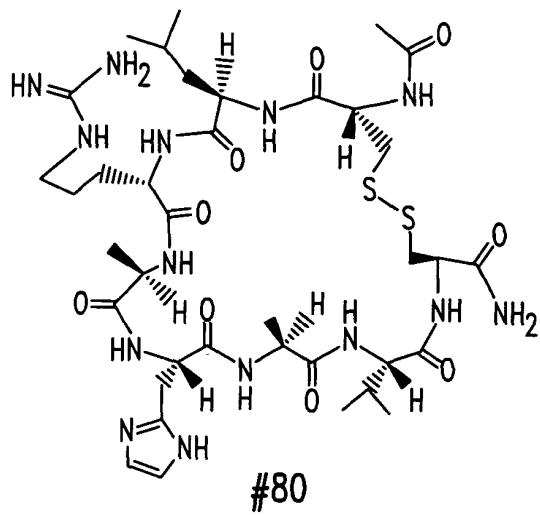
N-Ac-CAHAVC-NH₂



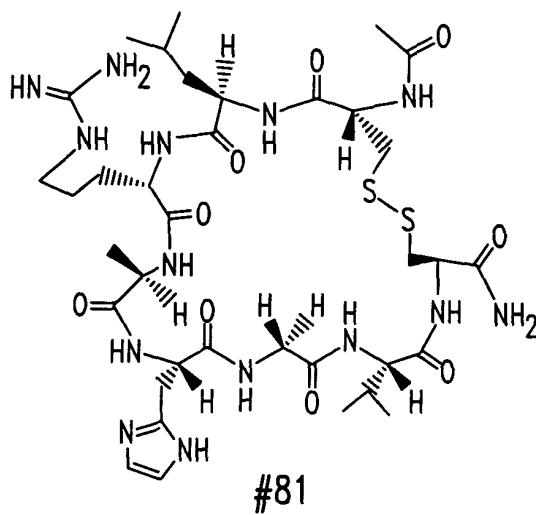
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Fig. 3C

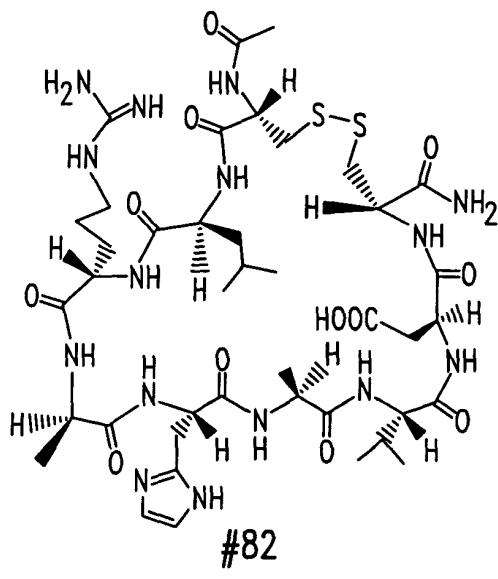
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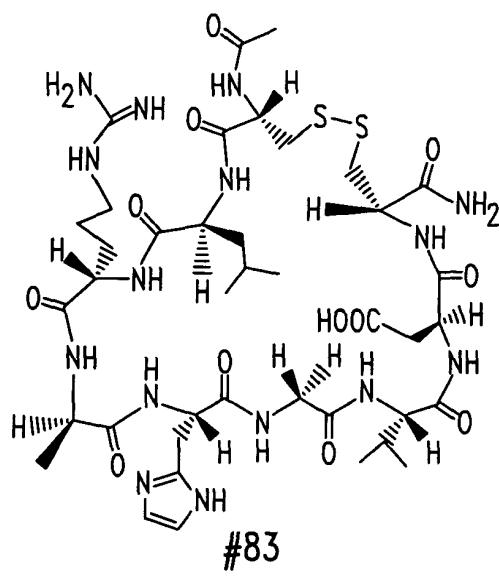
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N-Ac-CLRAHGVC-NH₂

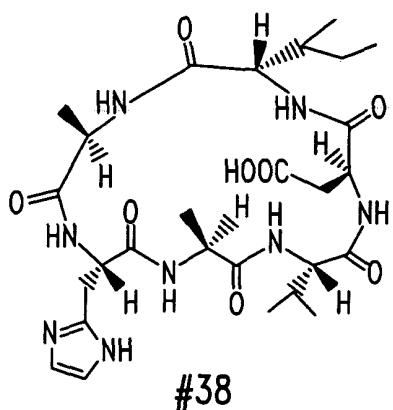


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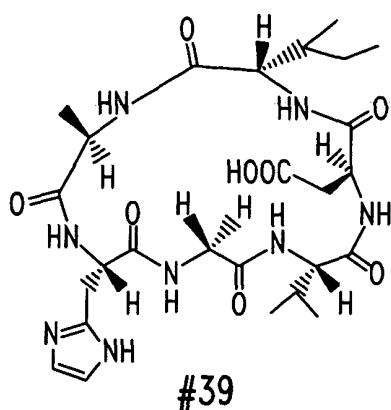
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Fig. 3E



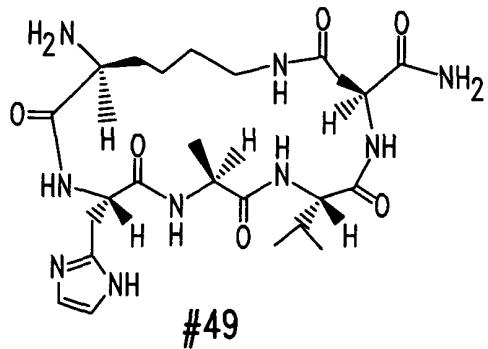
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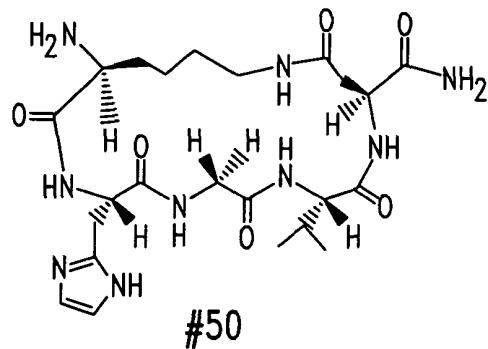
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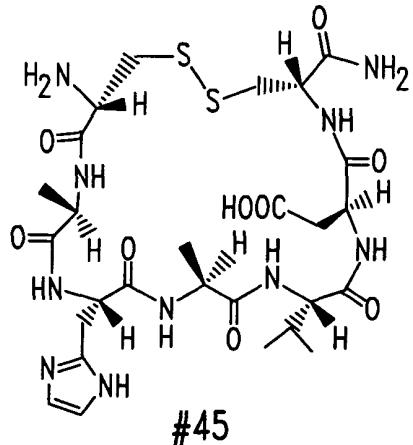
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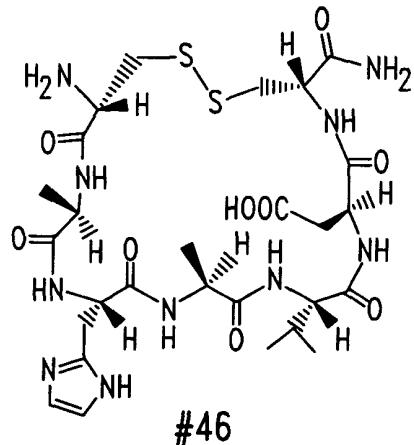
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H-KHGVD-NH₂



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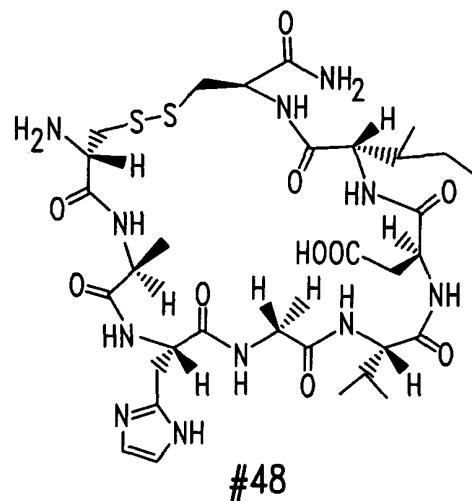
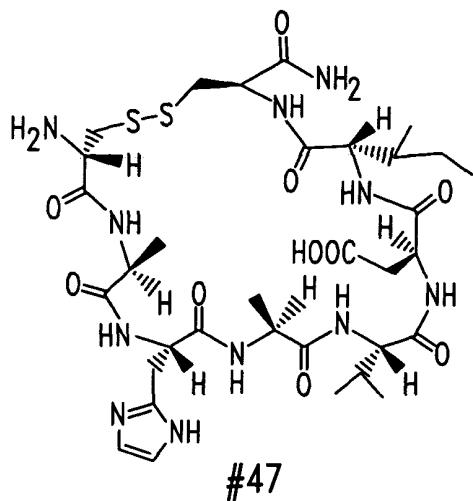
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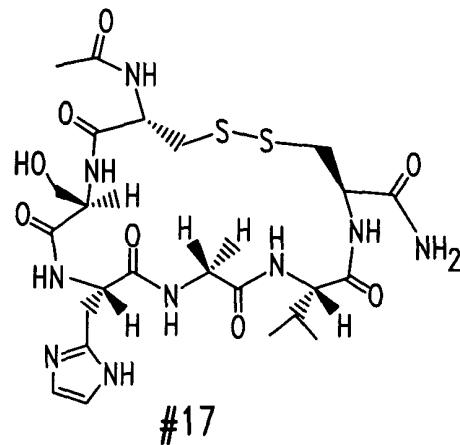
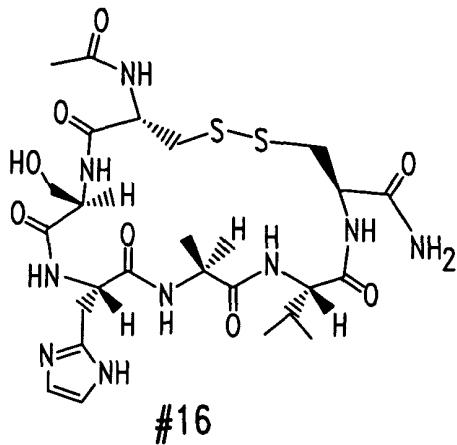
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Fig. 3F



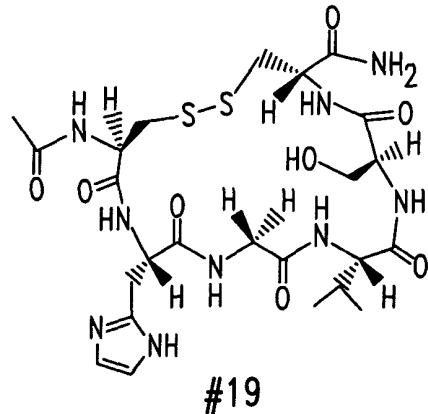
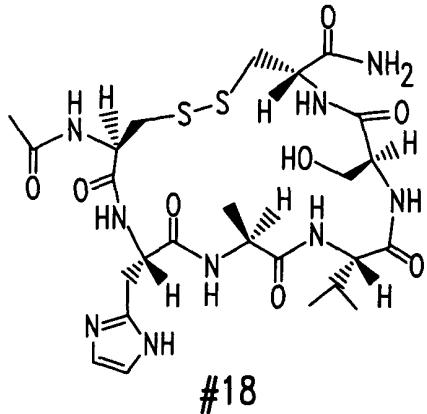
H-CAHAVDIC-NH₂

H-CAHGVDIC-NH₂



N-Ac-CSHAVC-NH₂

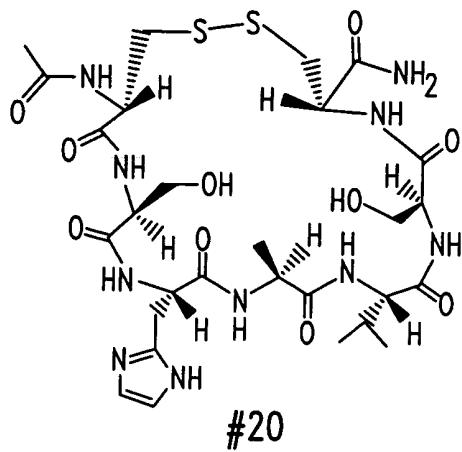
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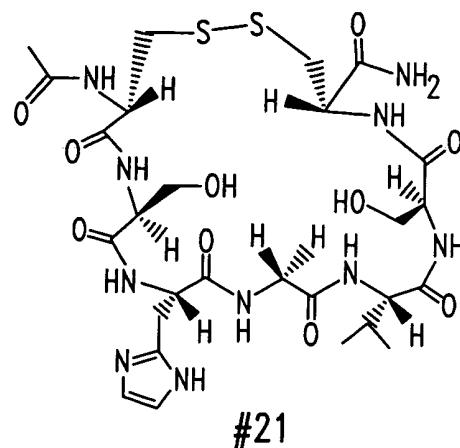
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N-Ac-CHGVSC-NH₂

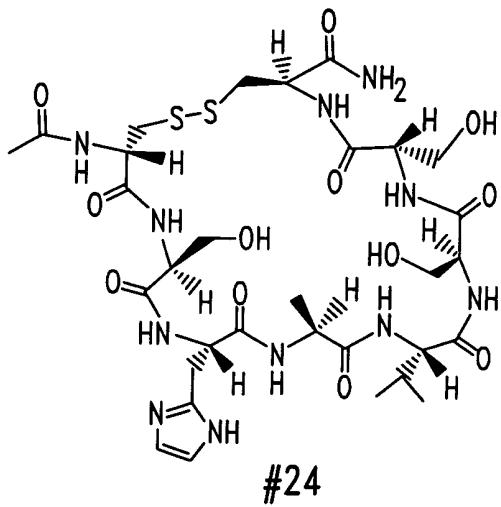
Fig. 3G



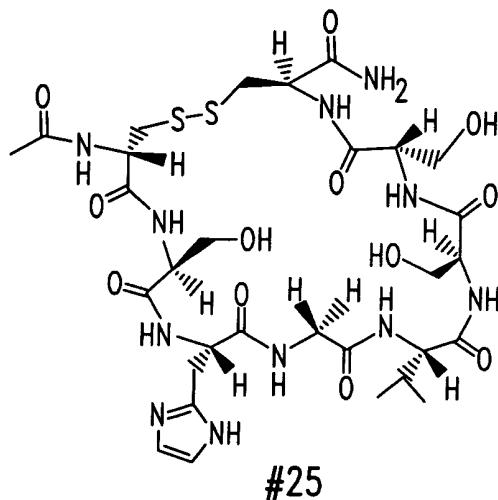
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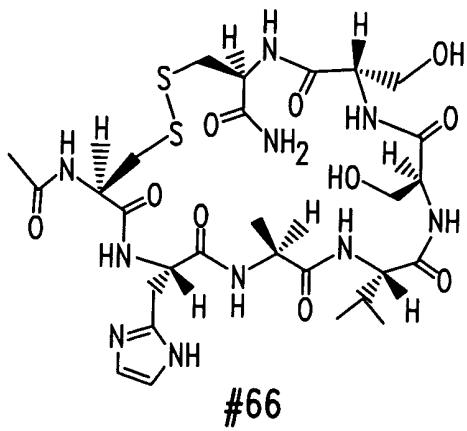
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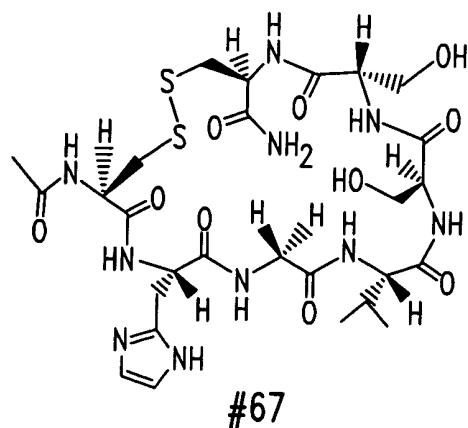
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N-Ac-CSHVSSC-NH₂

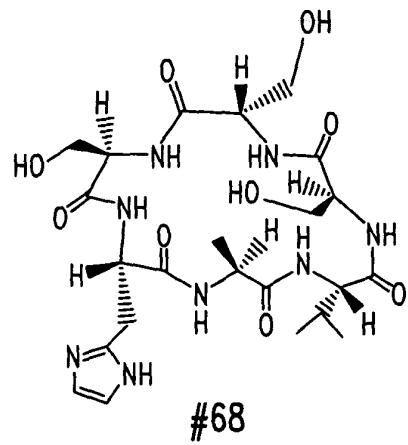


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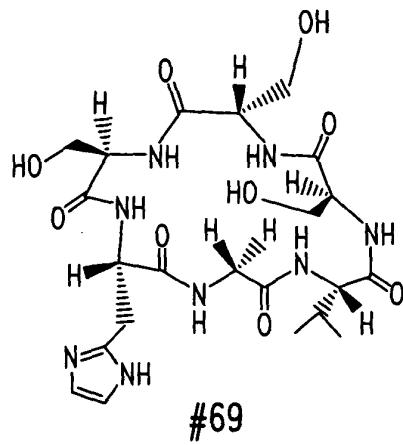
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Fig. 3H



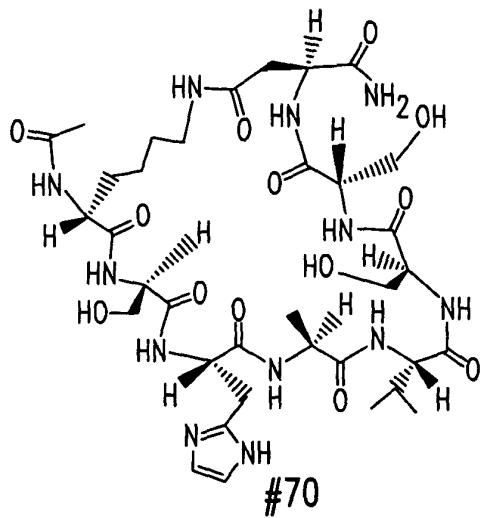
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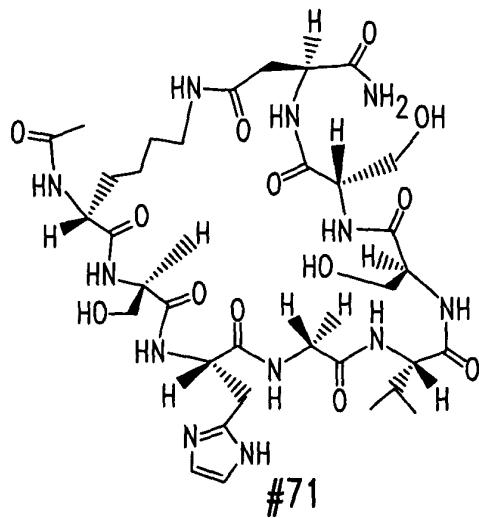
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N-Ac-KSHAVSSD-NH₂



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Fig. 3I

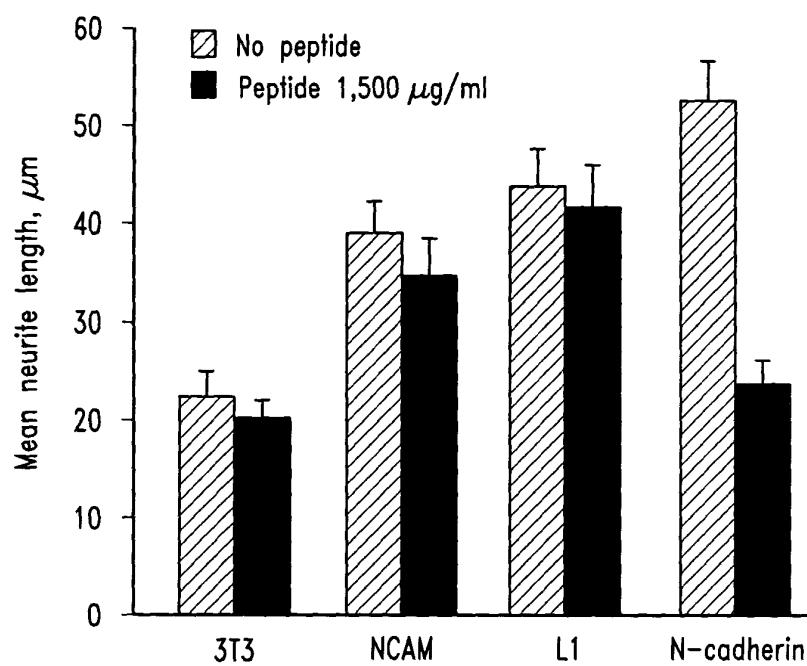


Fig. 4

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

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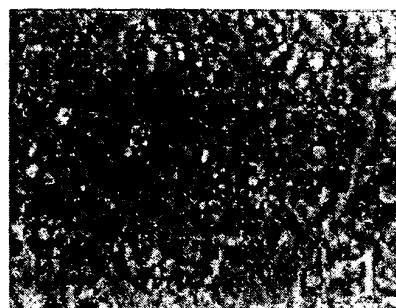


Fig. 5A

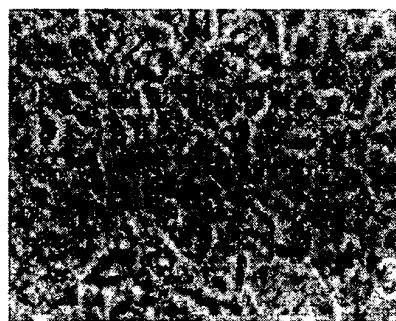


Fig. 5B



Fig. 5C

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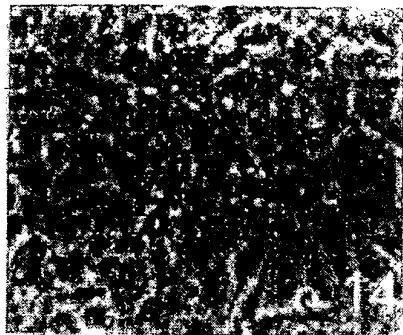


Fig. 6A

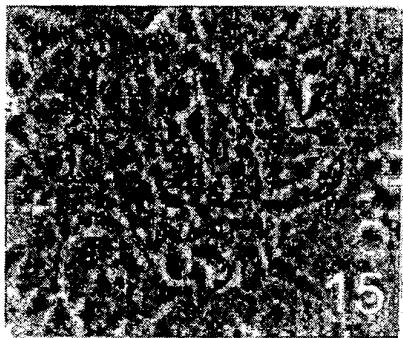


Fig. 6B

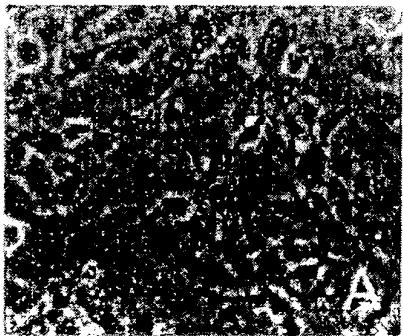


Fig. 6C

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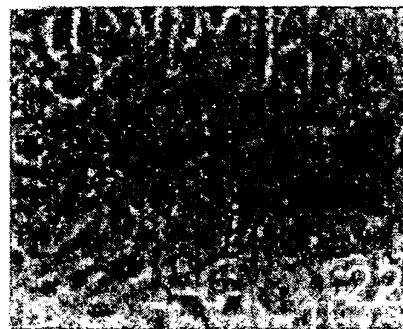


Fig. 7A



Fig. 7B

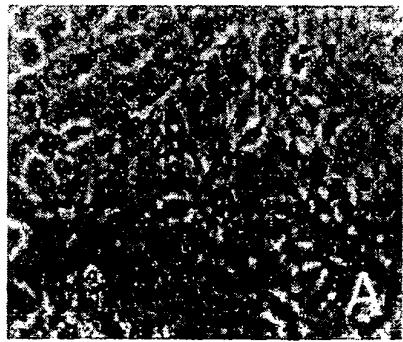


Fig. 7C

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

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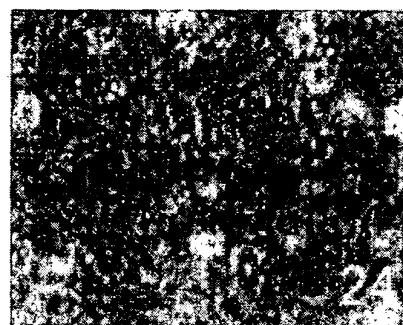


Fig. 8A

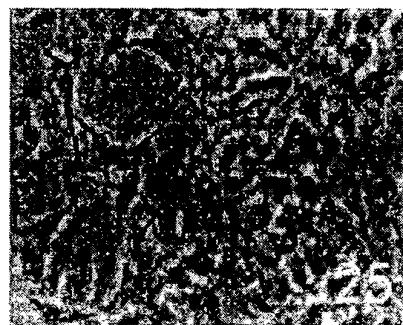


Fig. 8B

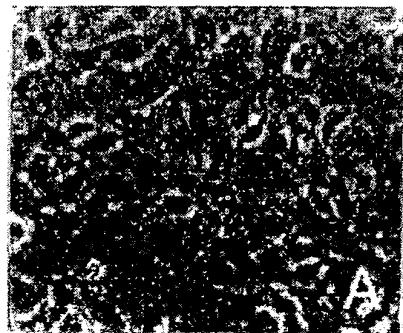


Fig. 8C

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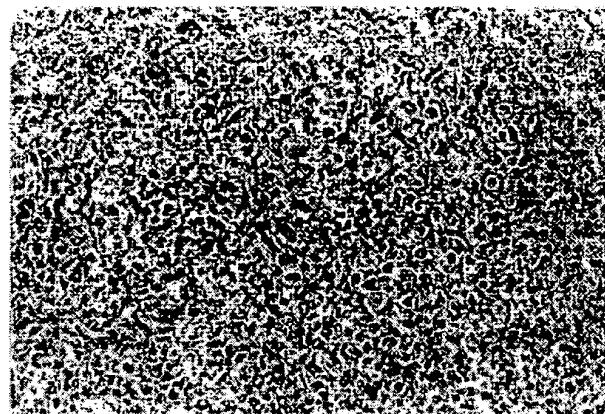


Fig. 9A

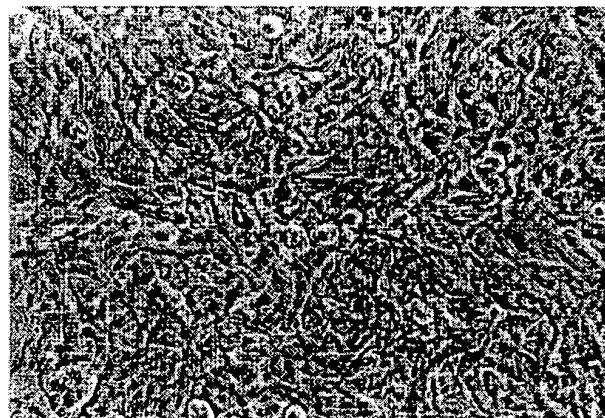


Fig. 9B

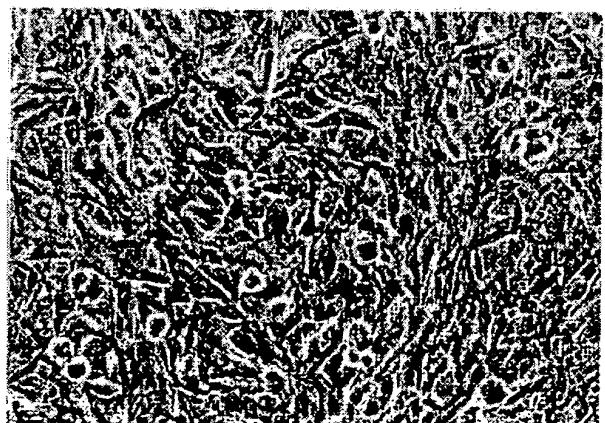


Fig. 9C

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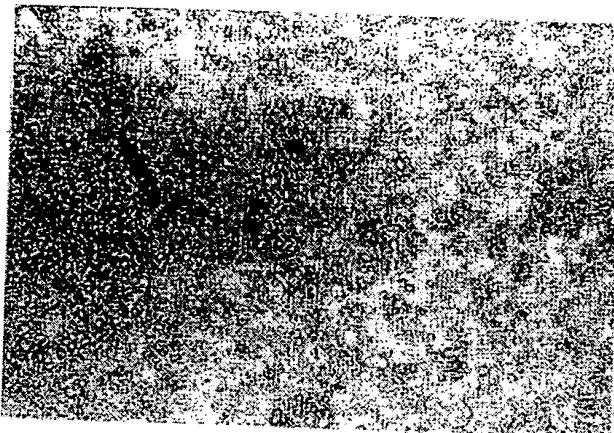


Fig. 9D

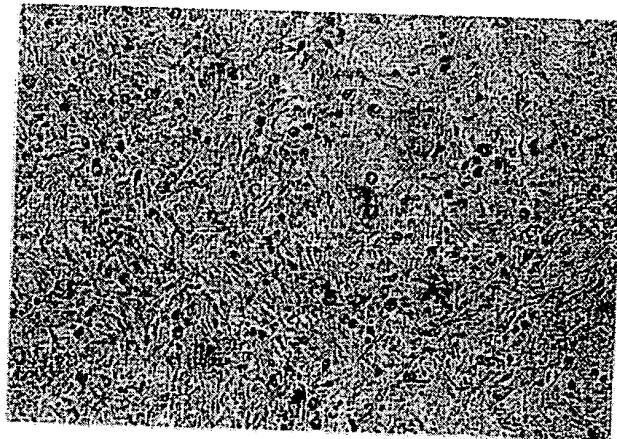


Fig. 9E

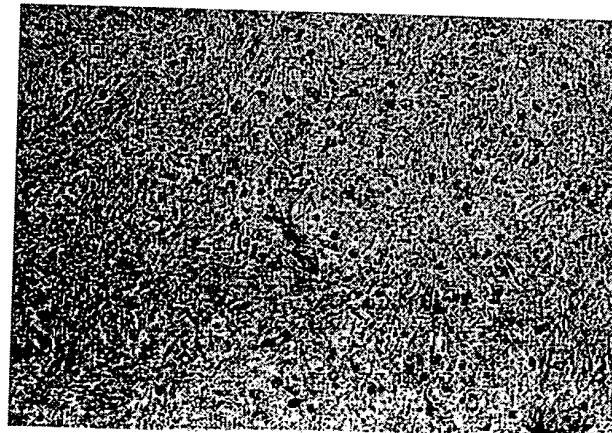


Fig. 9F

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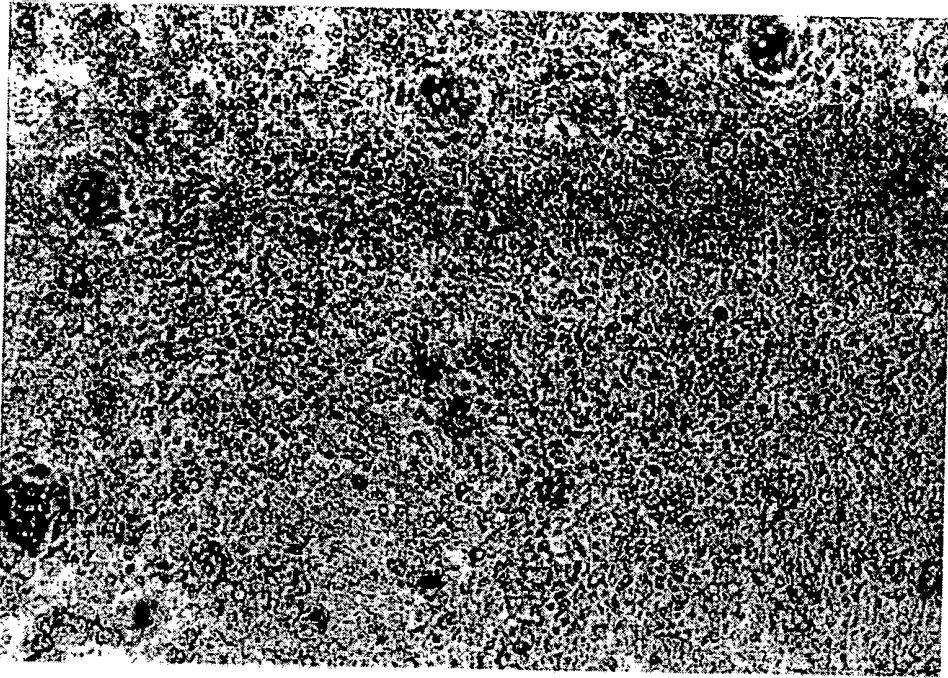


Fig. 10A

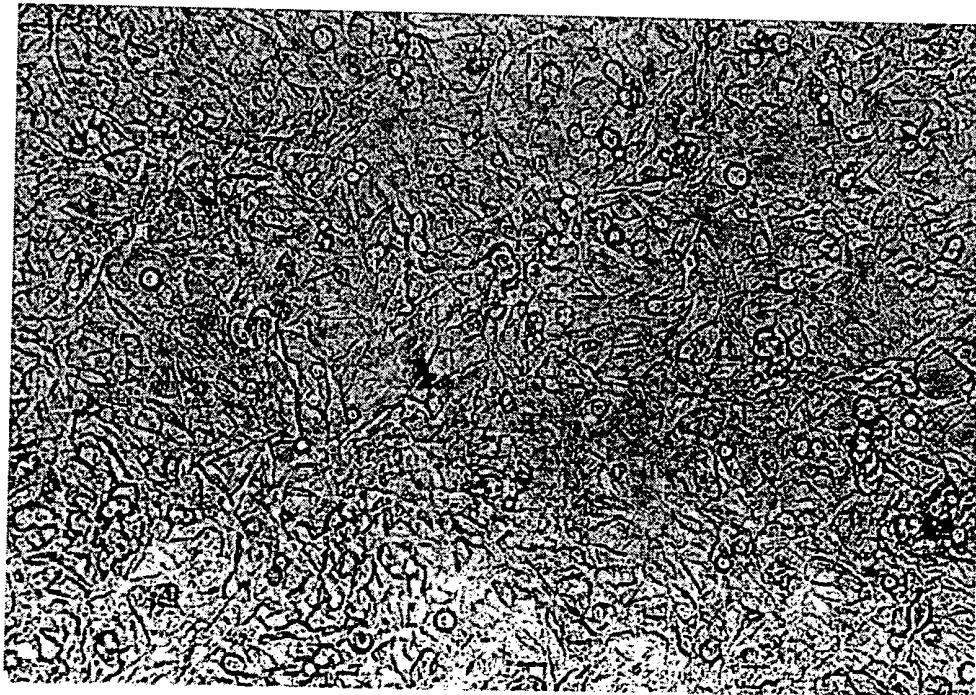


Fig. 10B

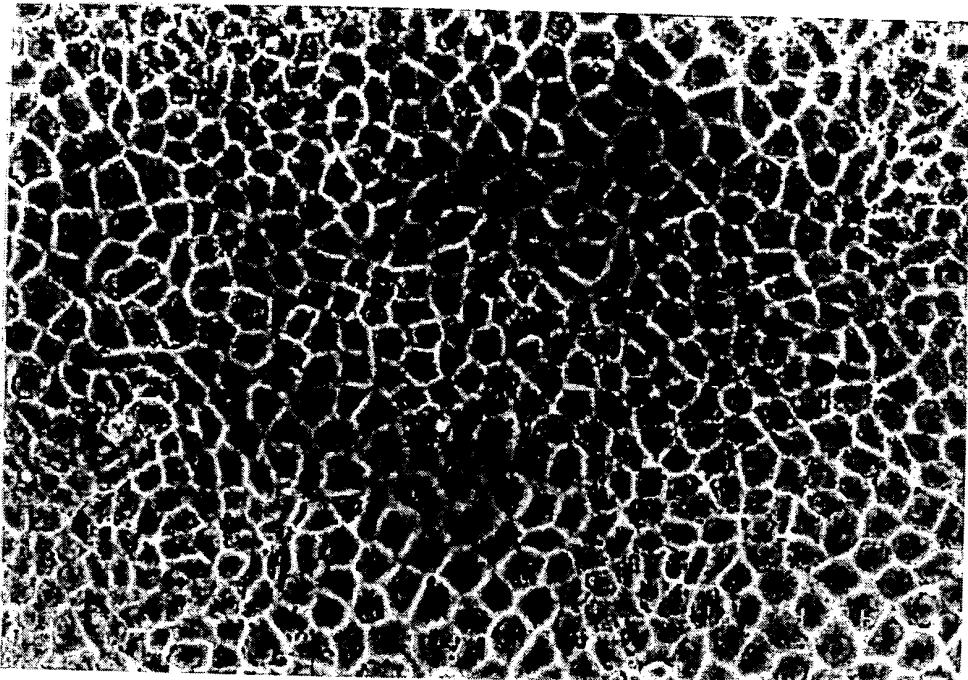


Fig. 11A

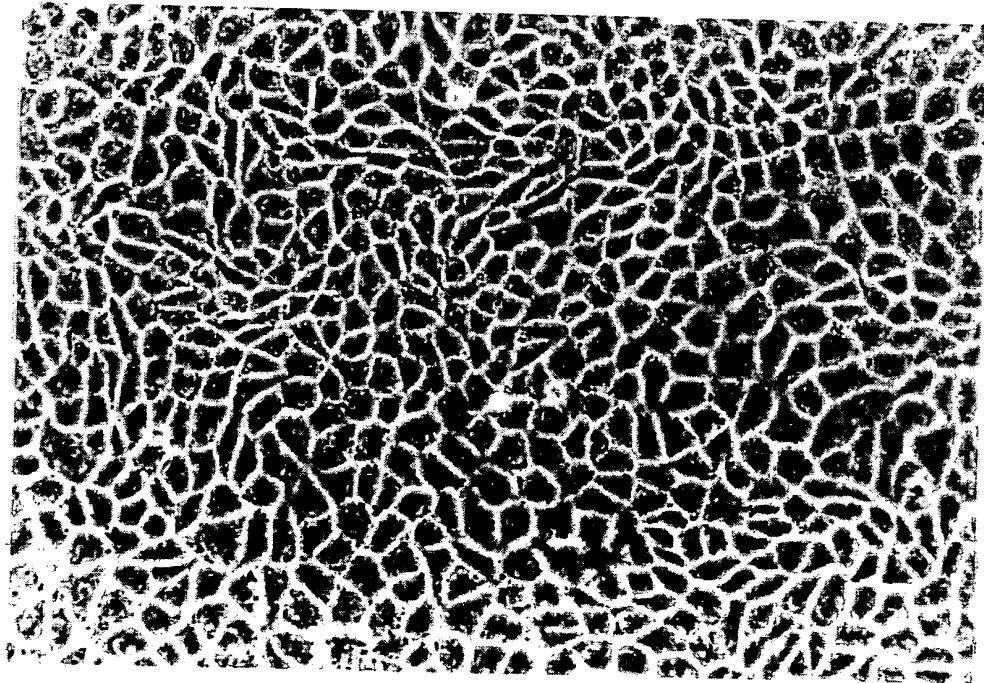


Fig. 11B

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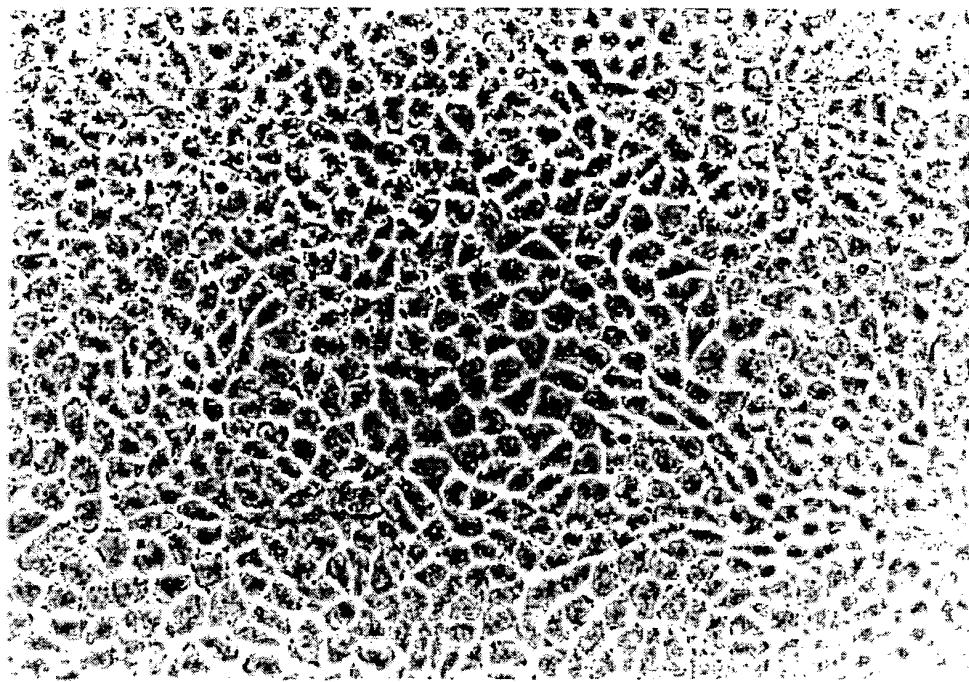


Fig. 11C

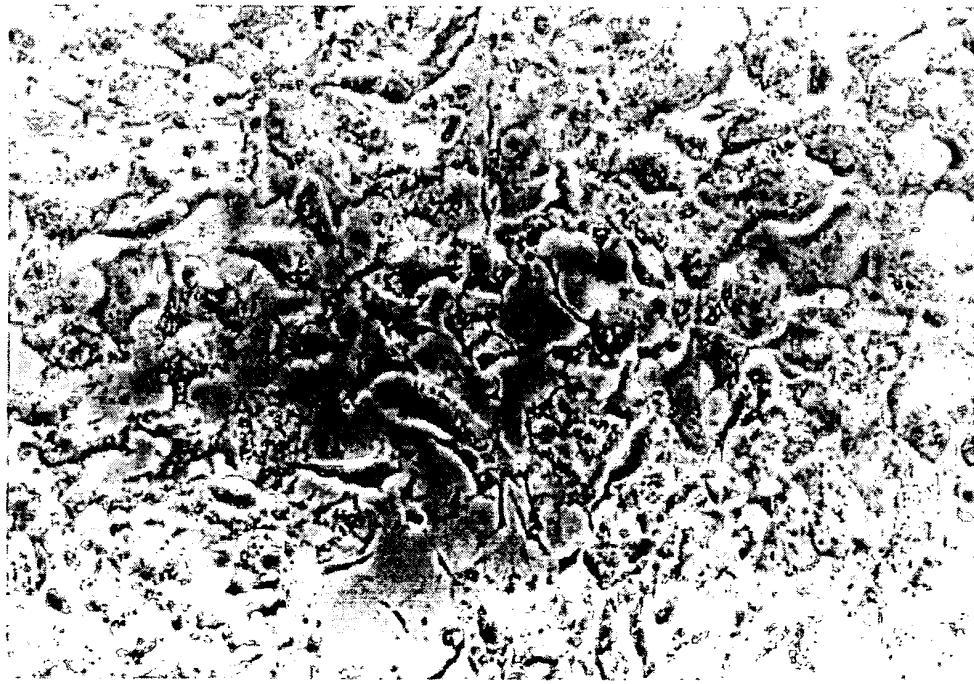


Fig. 11D

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

Untreated

A black and white micrograph showing a confluent layer of cells on a substrate. The cells are densely packed and appear as bright, irregular shapes against a darker background.

Fig. 12A

HAVS

A black and white micrograph showing a sparse distribution of cells on a substrate. The cells are widely spaced and appear as bright, isolated spots against a darker background.

Fig. 12B

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

HGV



Fig. 12C

HAV



Fig. 12D

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

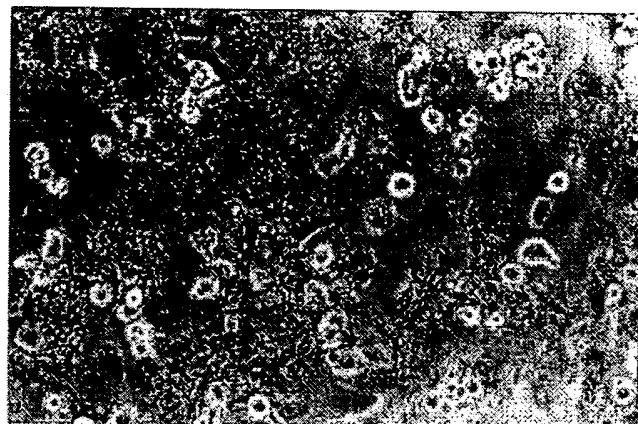


Fig. 13A

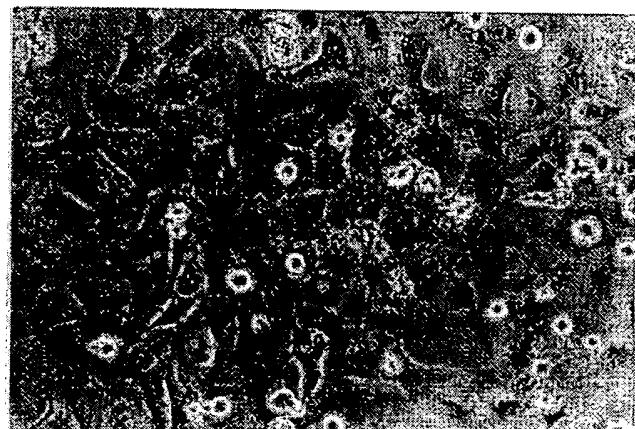


Fig. 13B

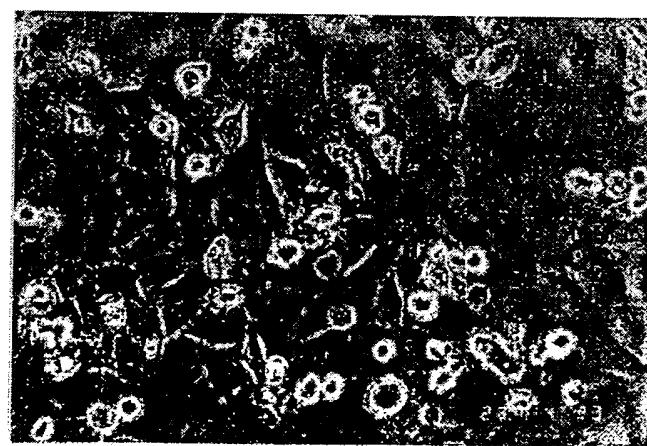


Fig. 13C

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18



Fig. 14A

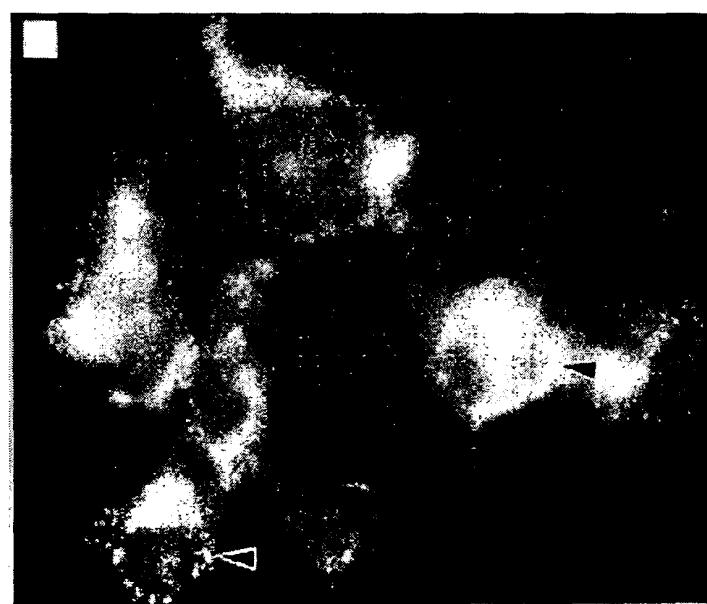


Fig. 14B

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

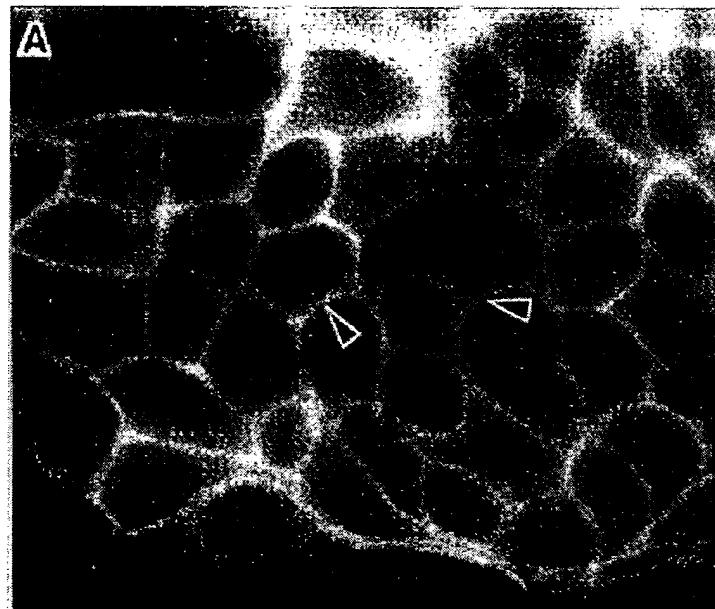


Fig. 15A

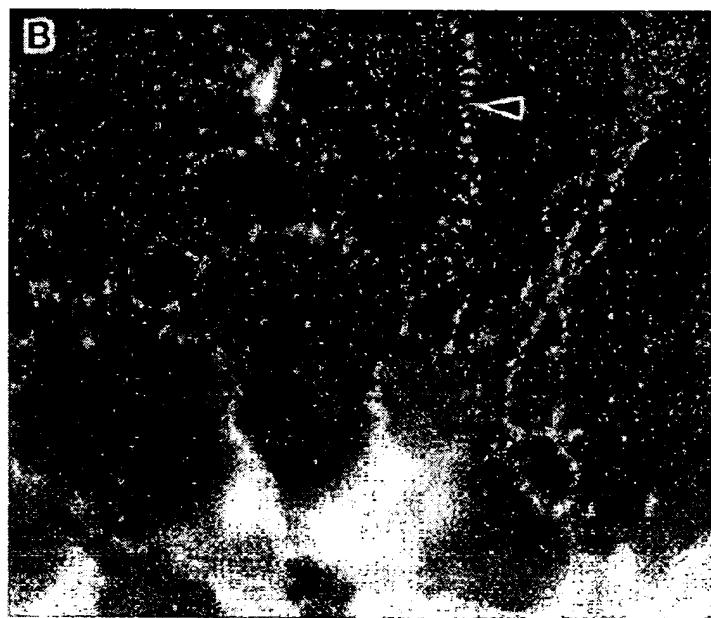


Fig. 15B

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

CONCENTRATION OF OREGON GREEN IN RECEIVER
COMPARISON BETWEEN TREATMENT AND CONTROL

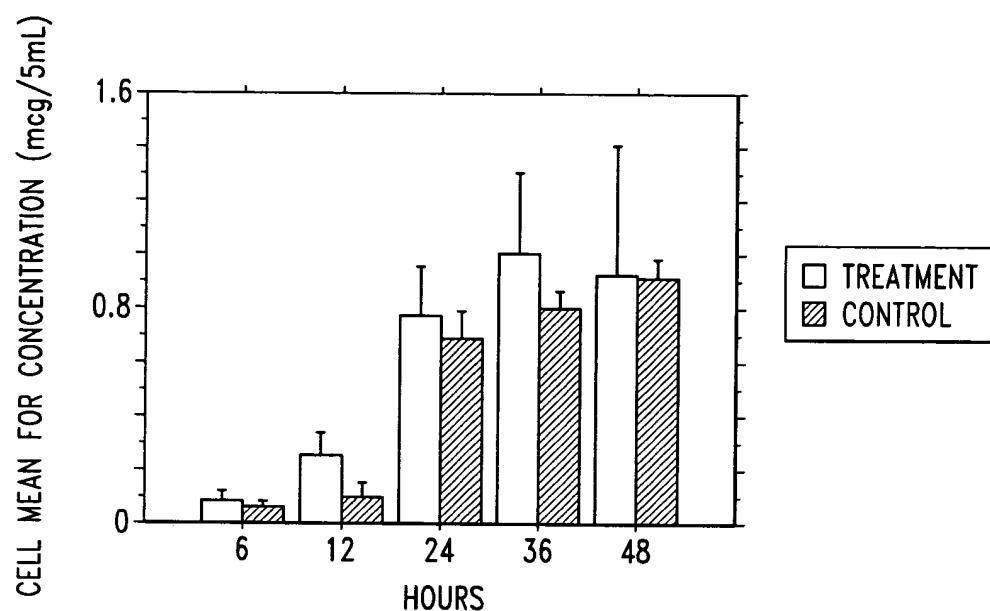


Fig. 16

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

CONCENTRATION OF RHODAMINE GREEN IN RECEIVER
COMPARISON BETWEEN TREATMENT AND CONTROL

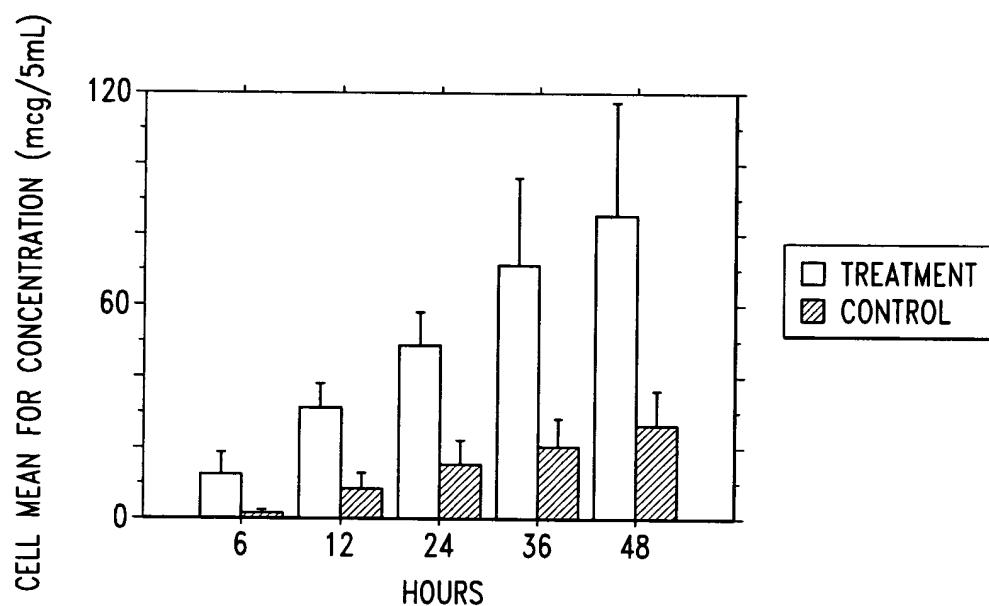


Fig. 17

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

CONCENTRATION OF OREGON GREEN FOUND IN THE RECEIVER
COMPARISON BETWEEN TREATMENT AND CONTROL

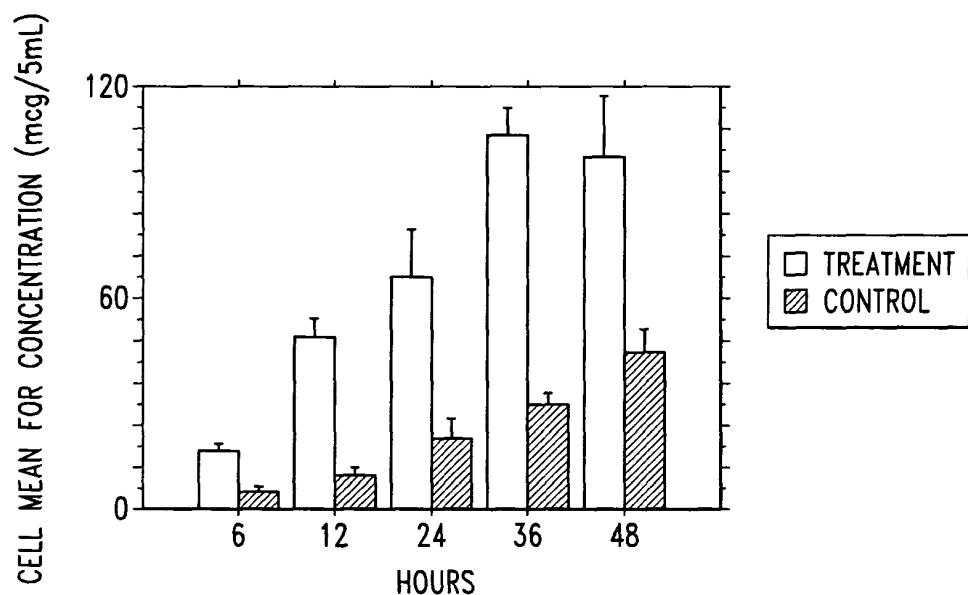


Fig. 18

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

CONCENTRATION OF RHODAMINE GREEN FOUND IN THE RECEIVER
COMPARISON BETWEEN TREATMENT AND CONTROL

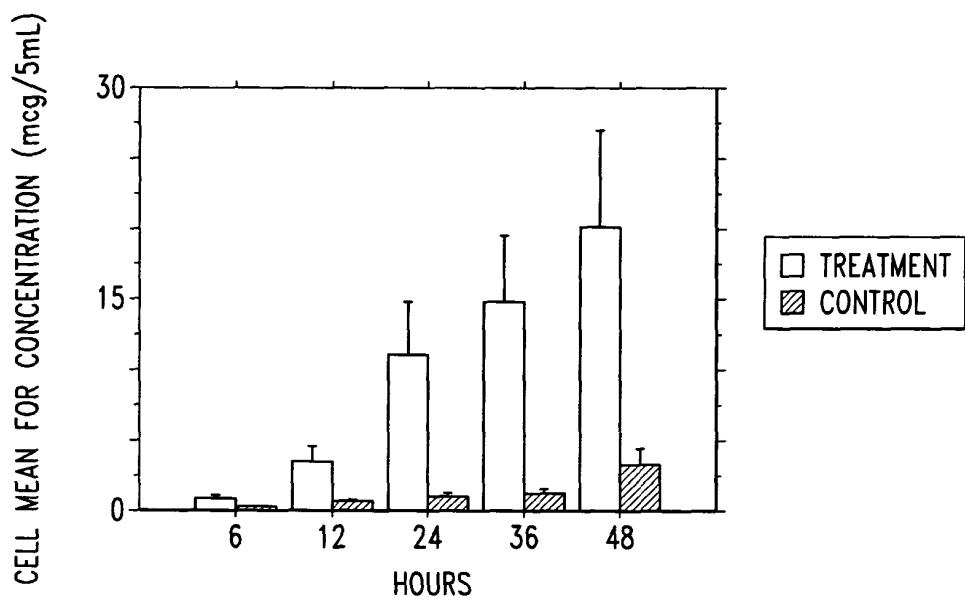


Fig. 19

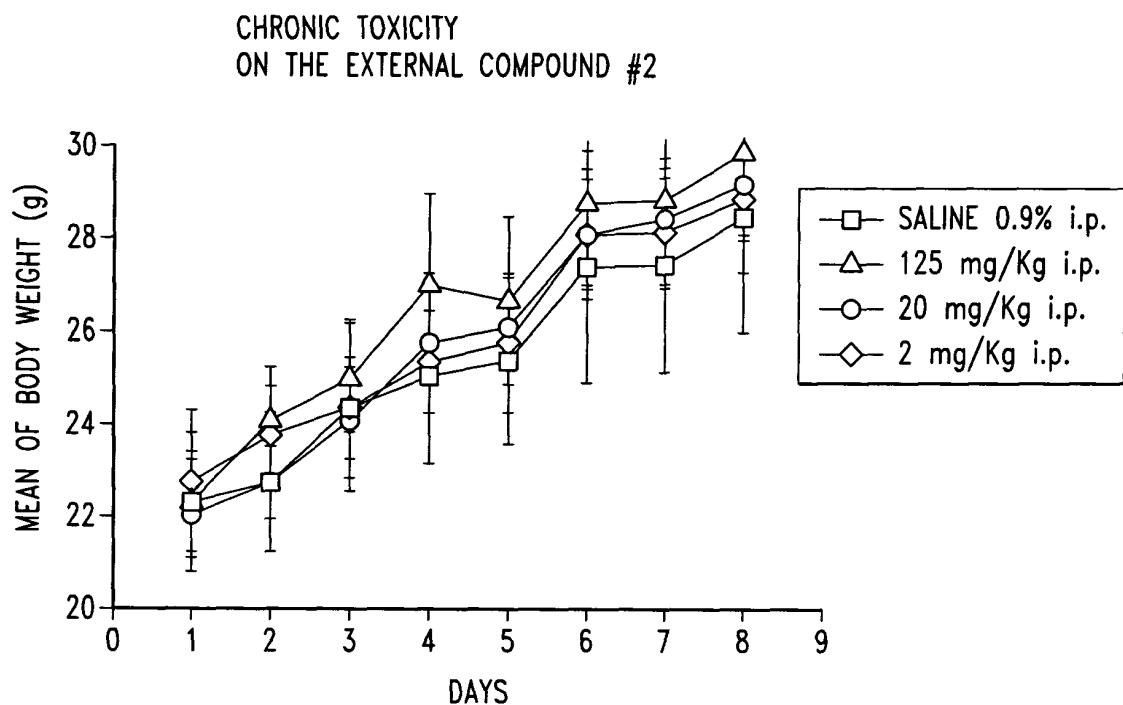


Fig. 20

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

STABILITY IN MOUSE WHOLE BLOODS FOR CANCER (2)

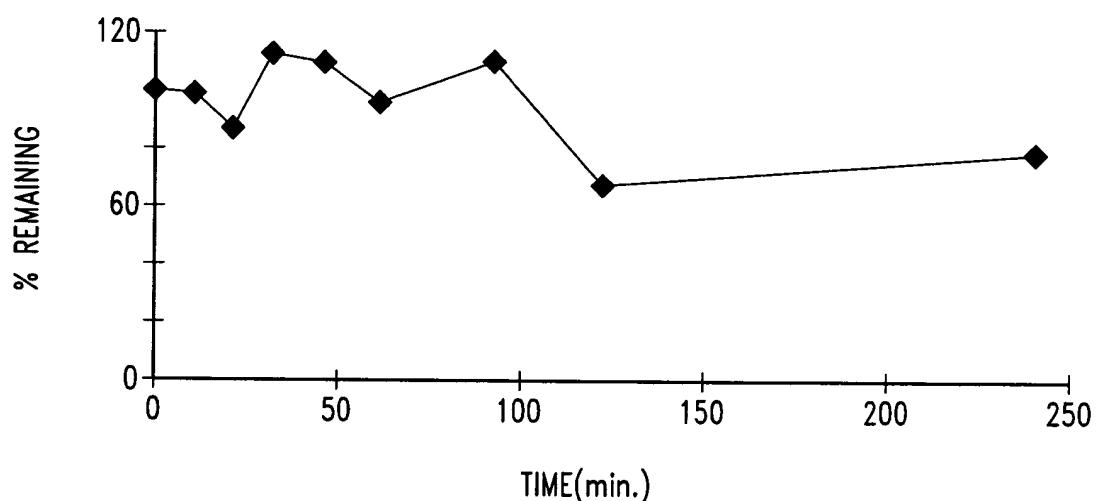


Fig. 21

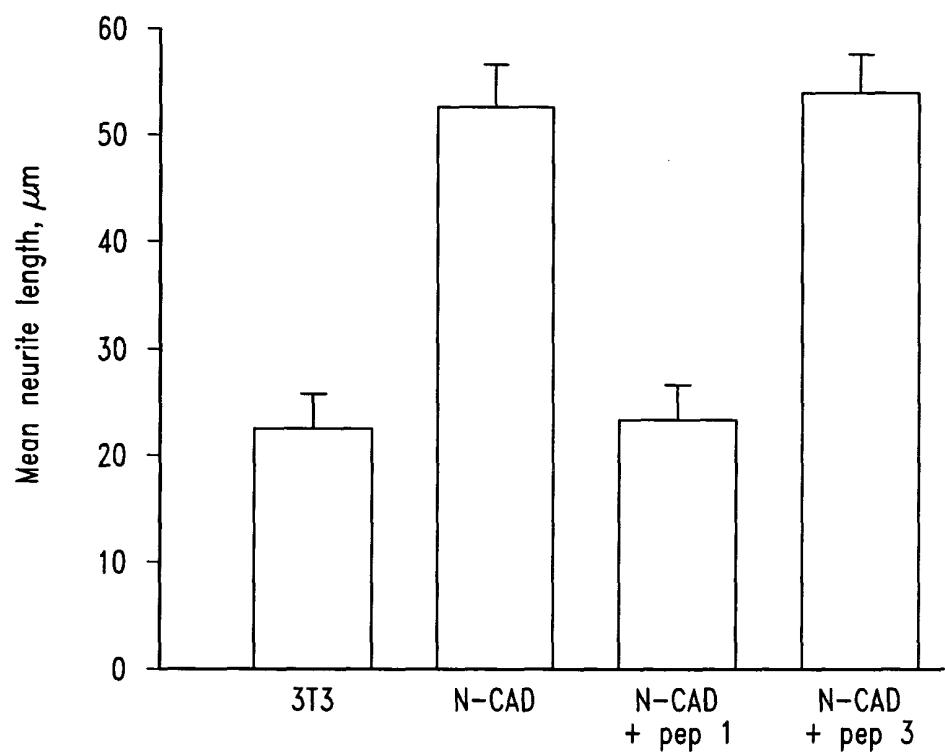


Fig. 22

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

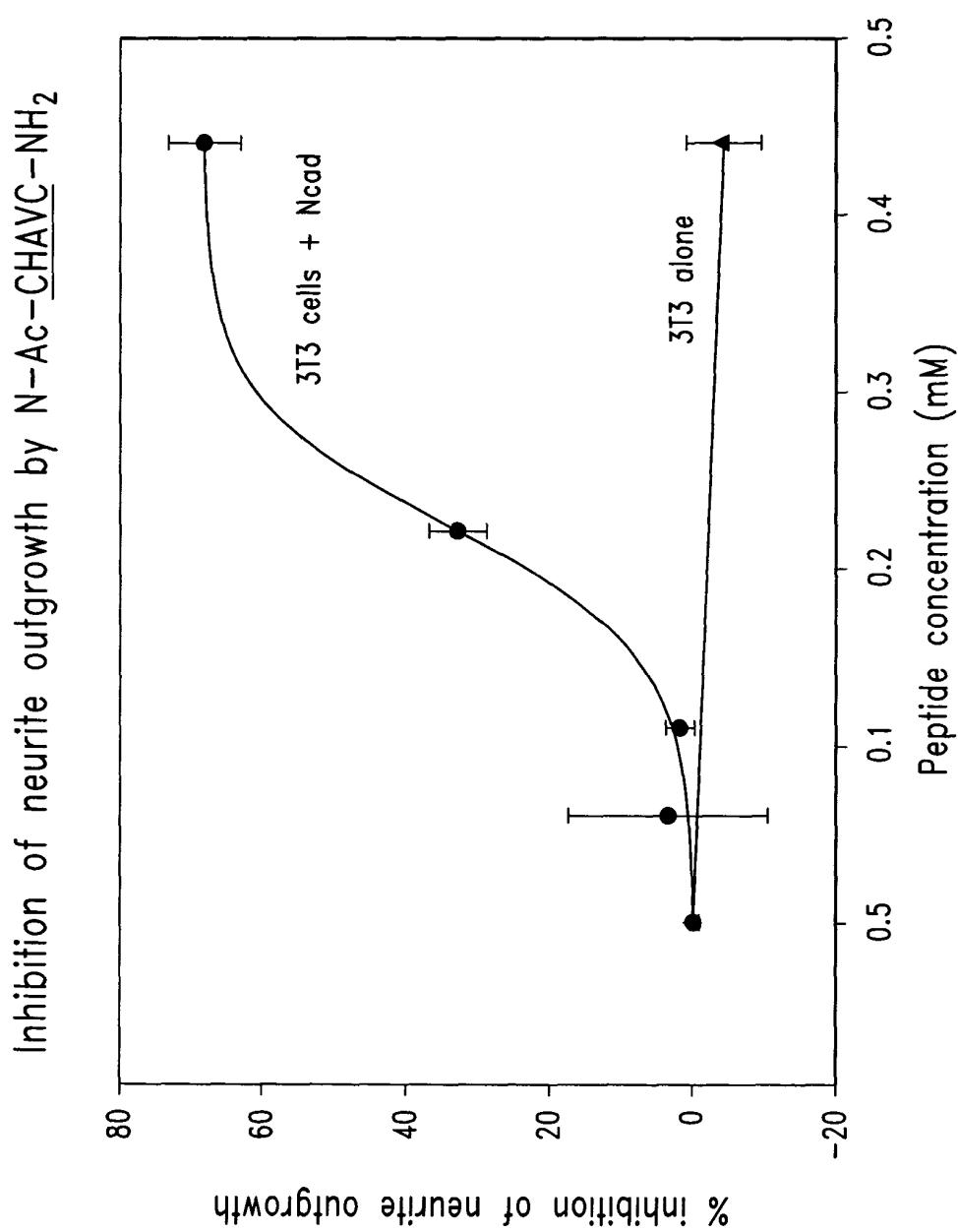


Fig. 23

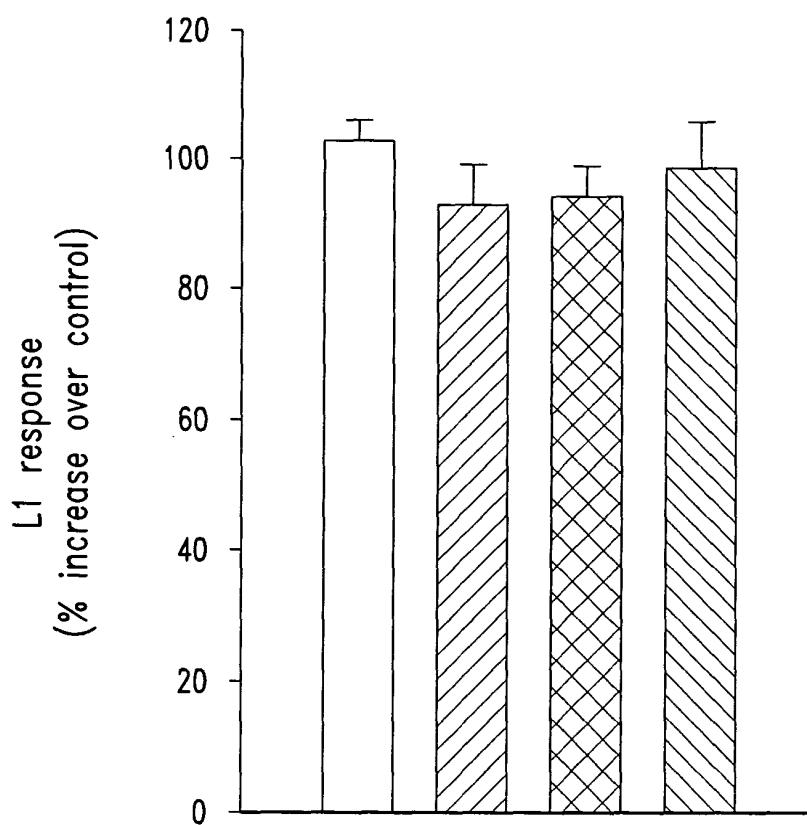


Fig. 24

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

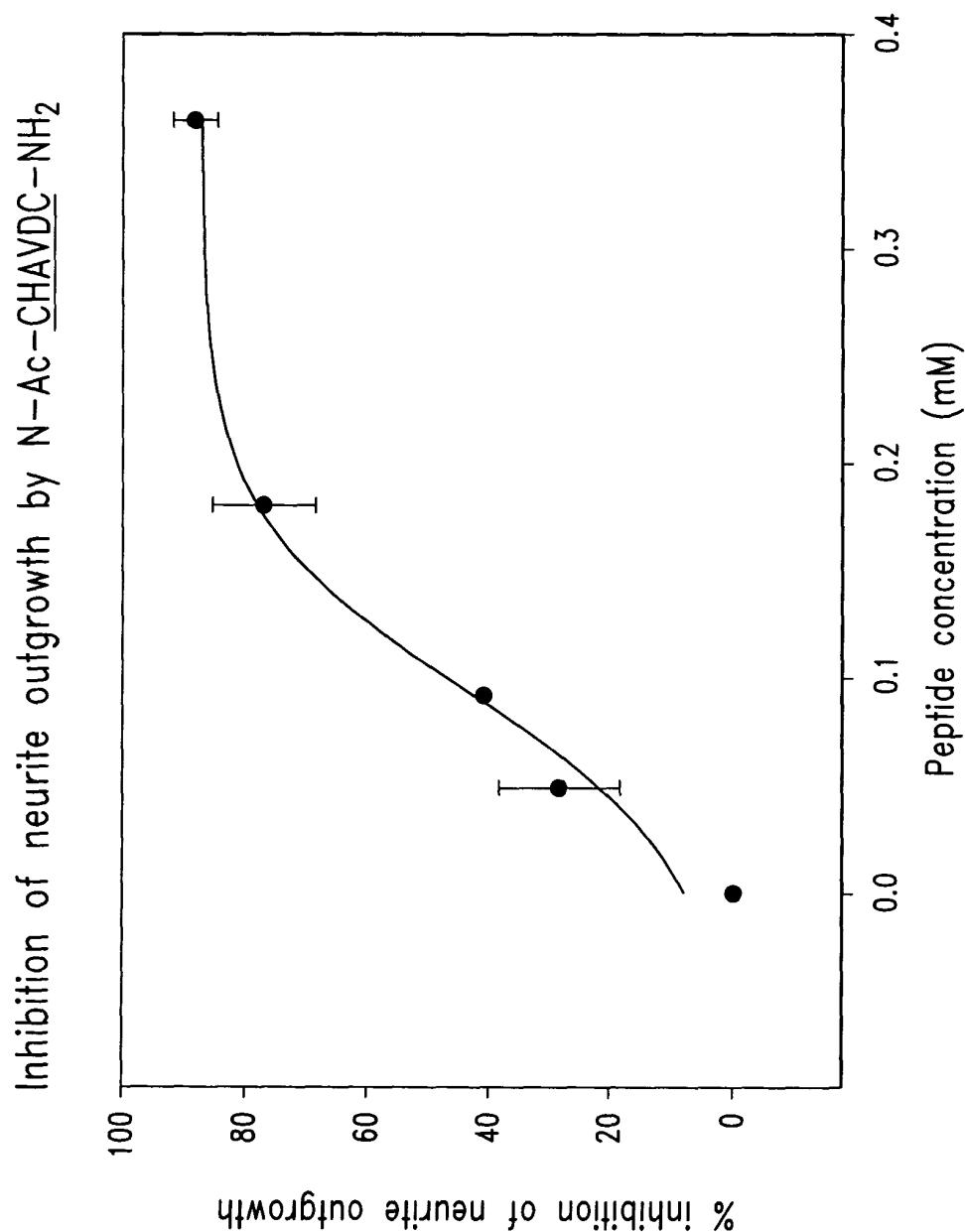


Fig. 25

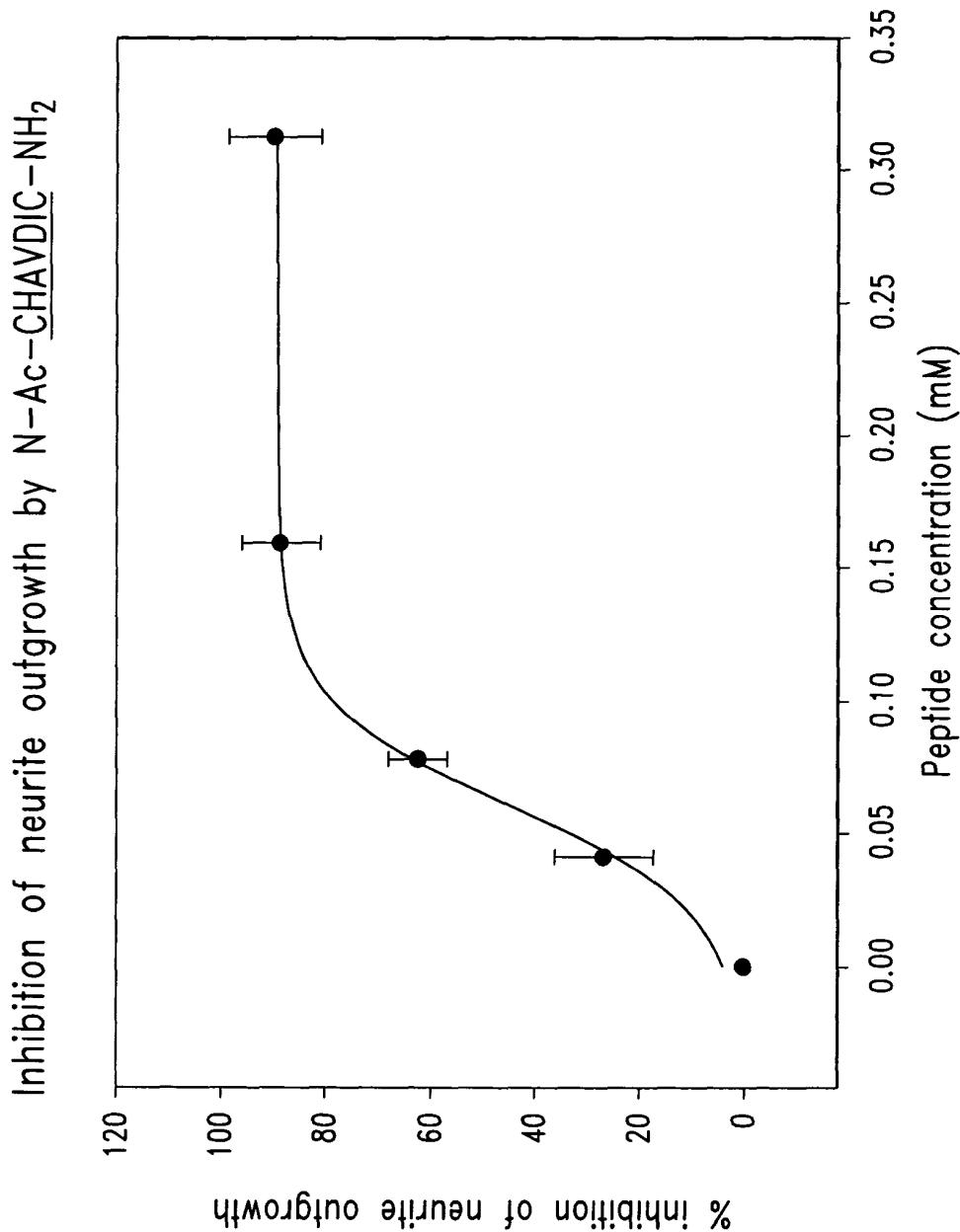


Fig. 26

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

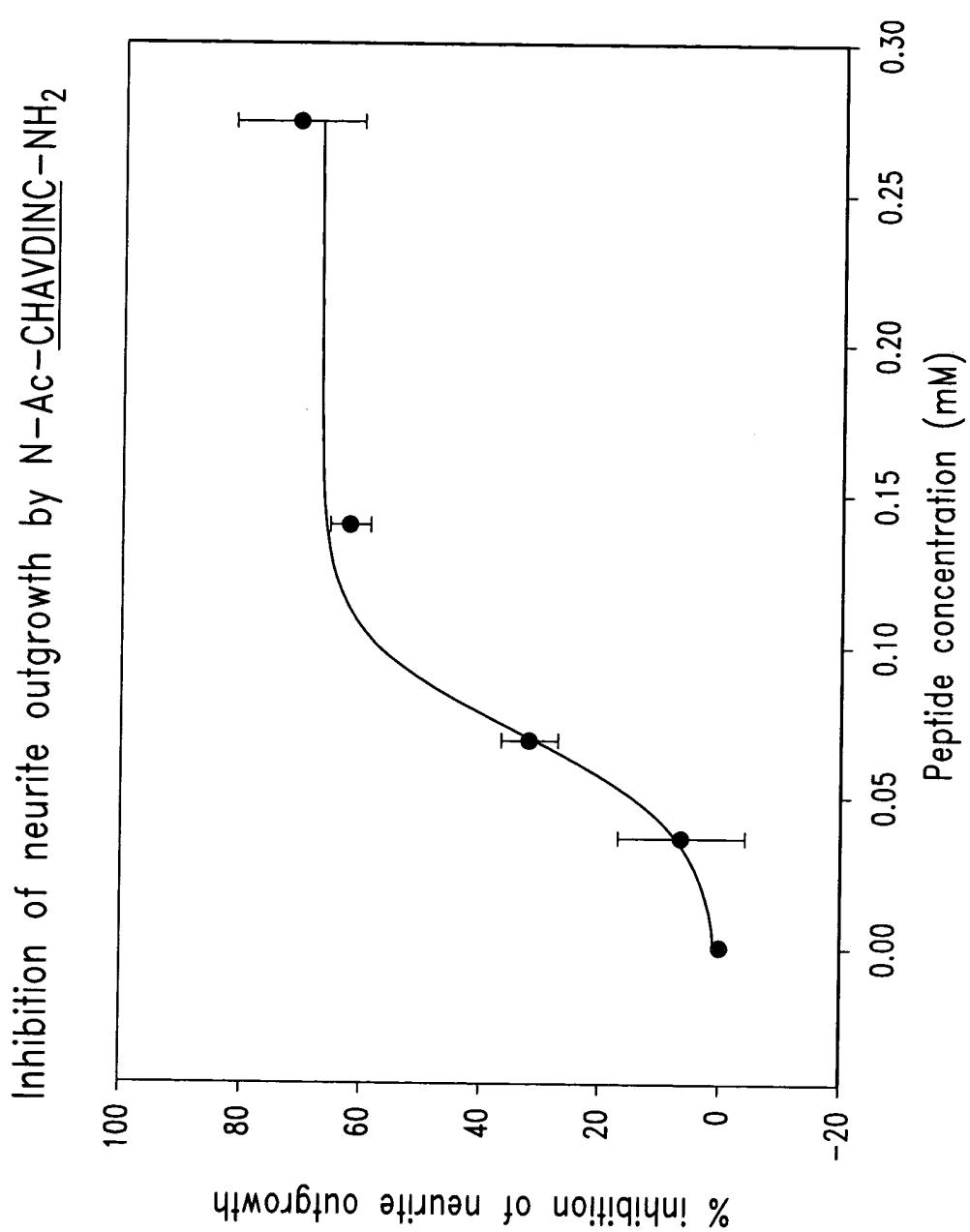


Fig. 27

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18



Fig. 28A

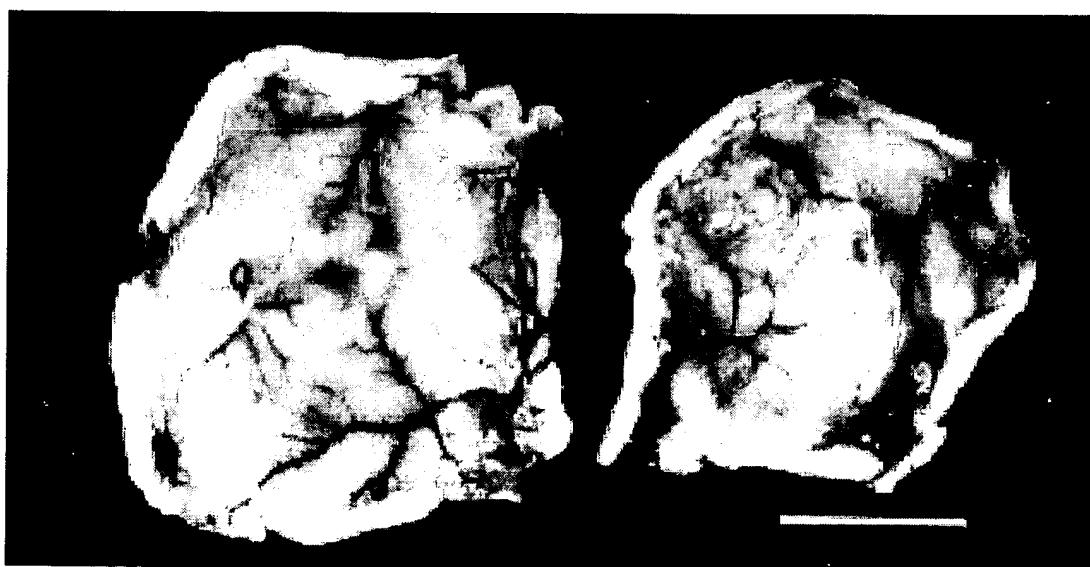


Fig. 28B

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

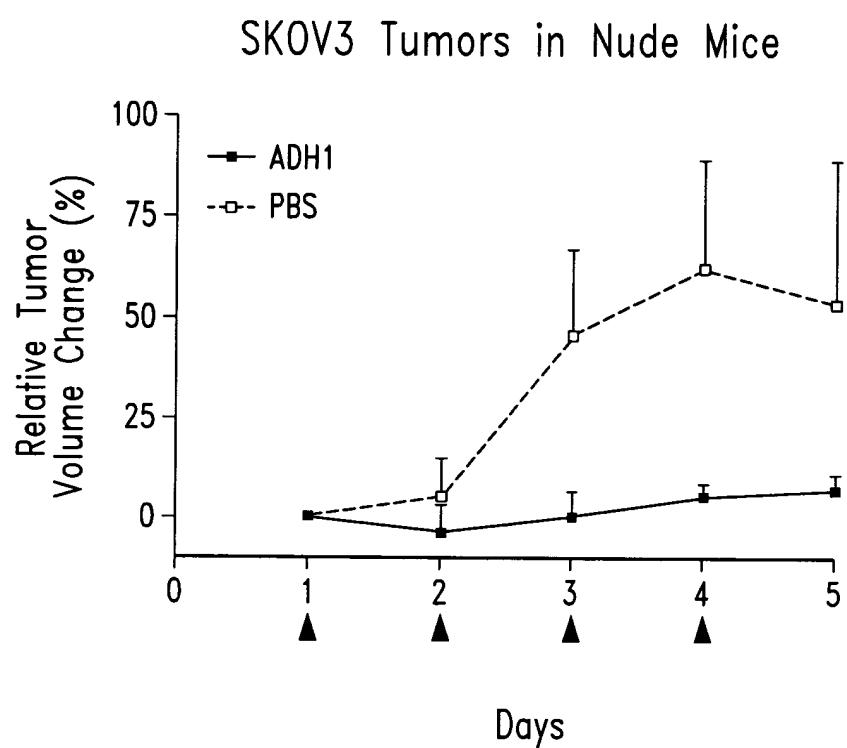


Fig. 29

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

ADH1 (2mg/kg) killed after 5 days

Fig. 30A

ADH1 (2mg/kg) killed after 5 days

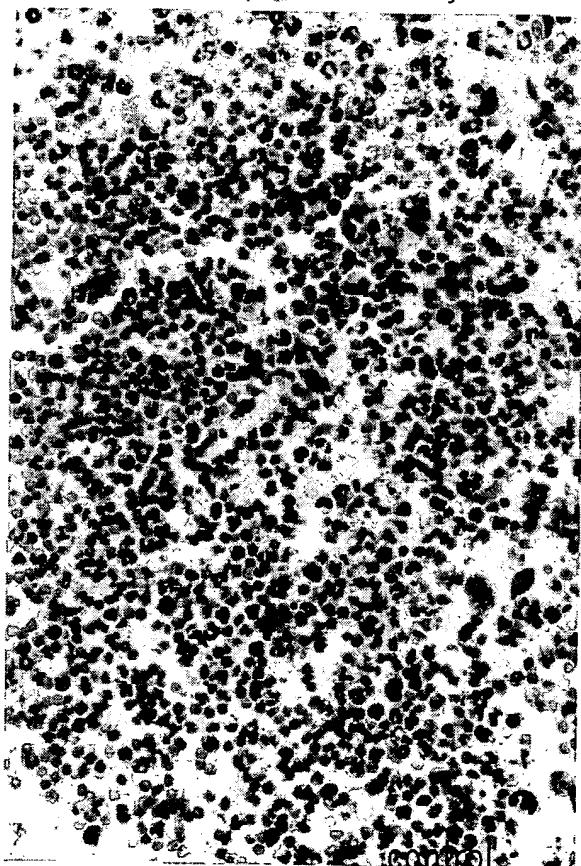


Fig. 30B

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

ADH1 (2mg/kg) killed after 5 days

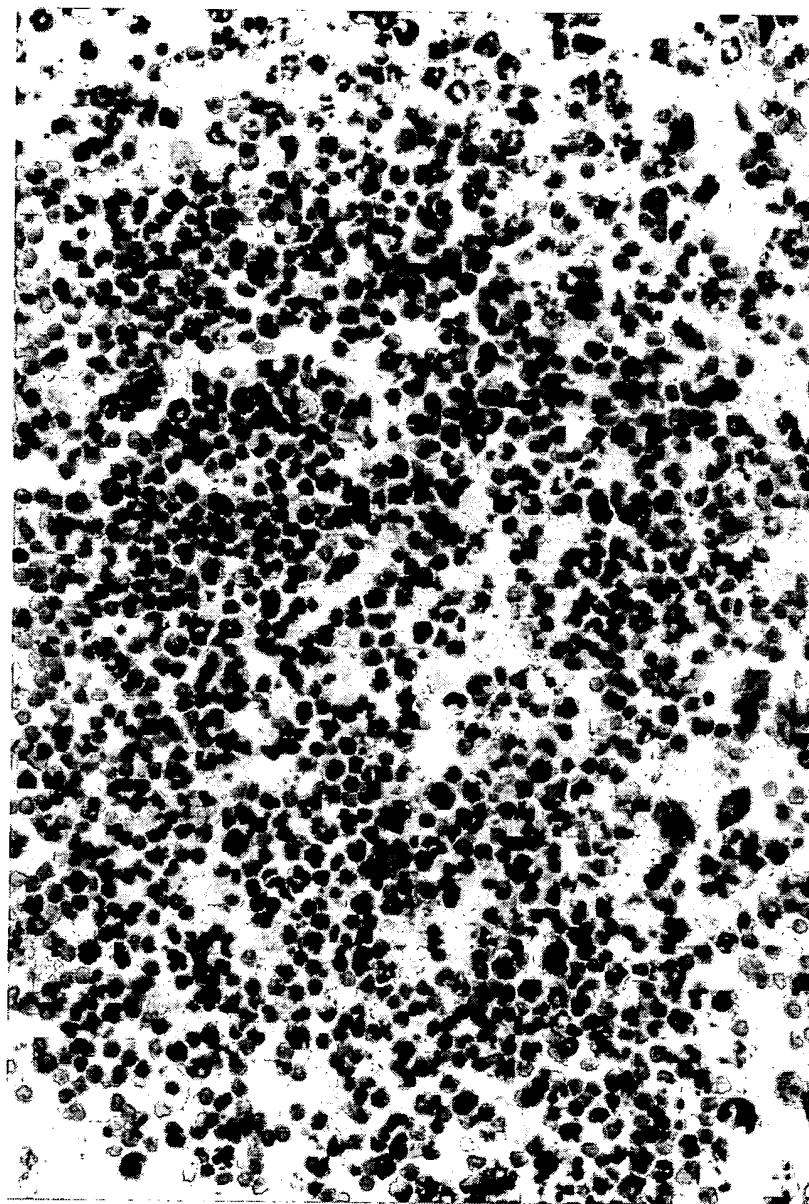


Fig. 31

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

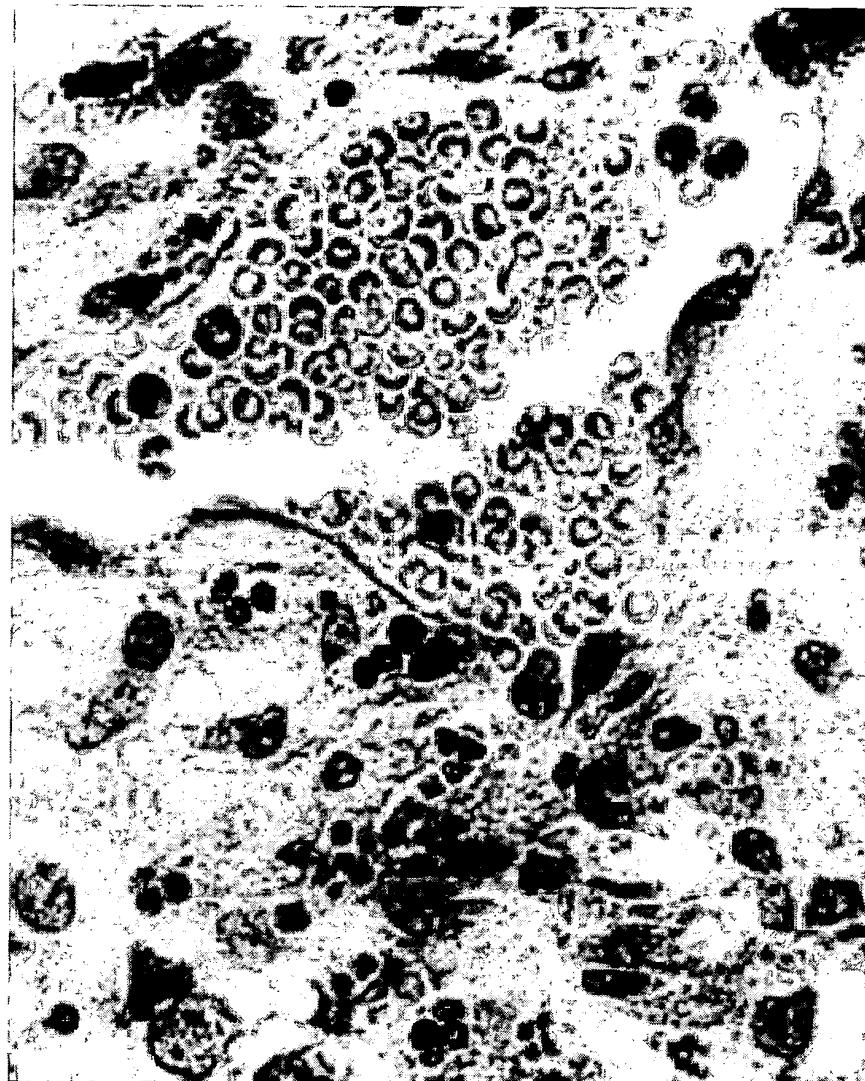


Fig. 32

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18



Fig. 33

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18



Fig. 34

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

Fig. 35B

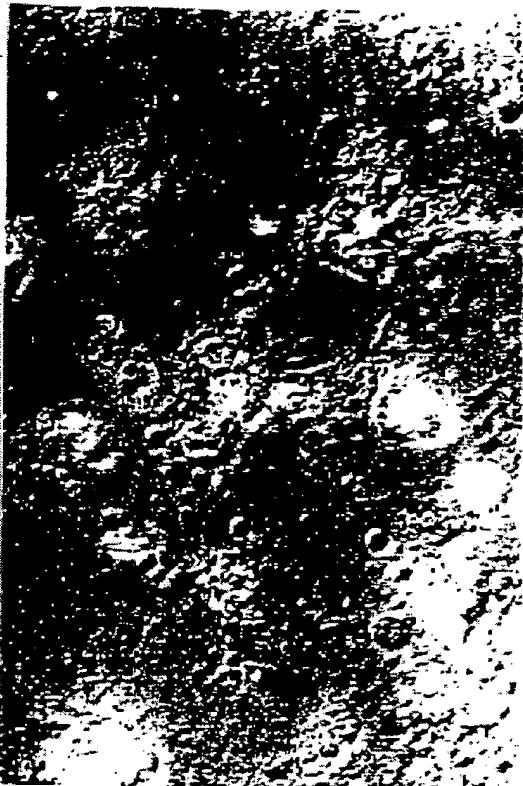


Fig. 35A



Fig. 35C



Fig. 35D



Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

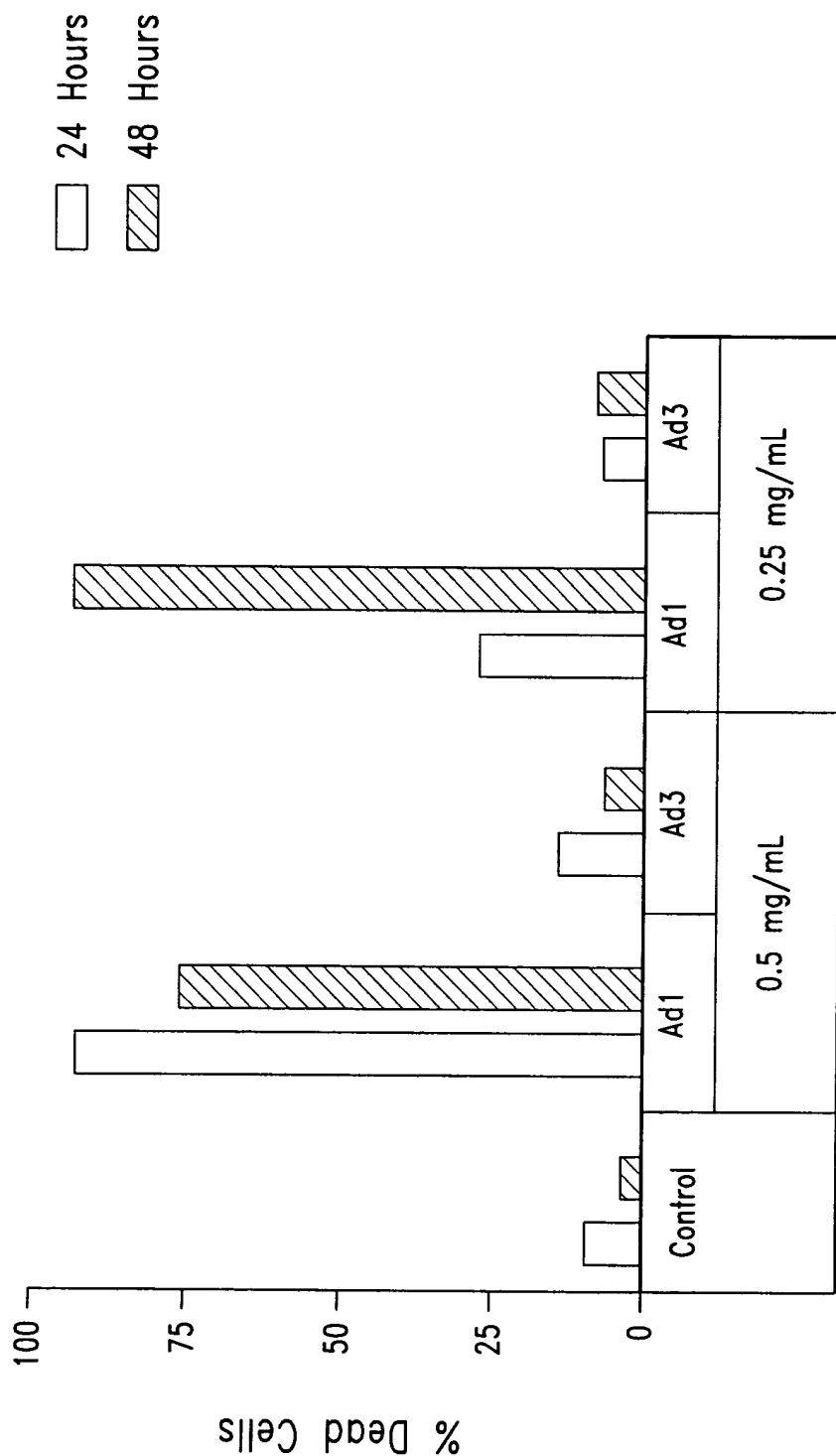


Fig. 36

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

Control

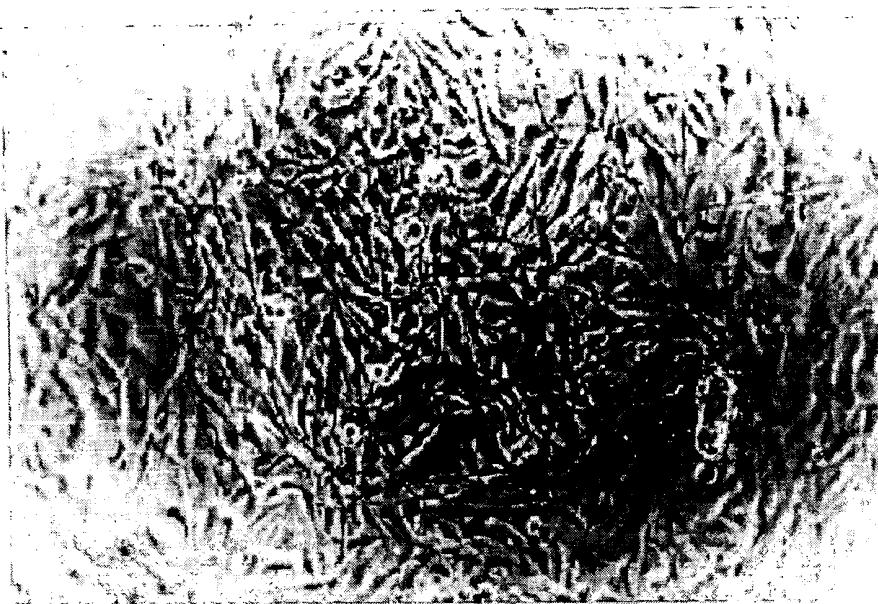


Fig. 37A

ADH148 1mg/ml

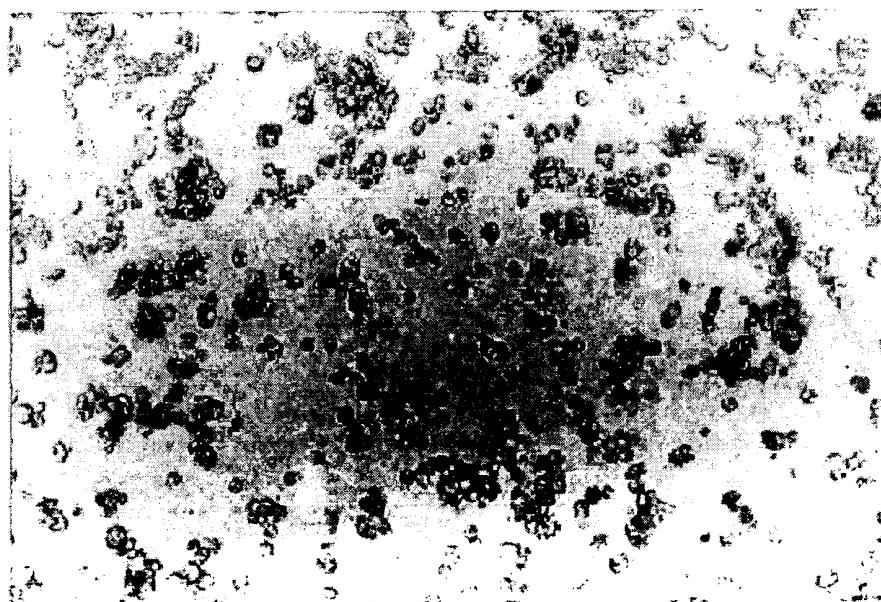


Fig. 37B

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18



Fig. 38A



Fig. 38B

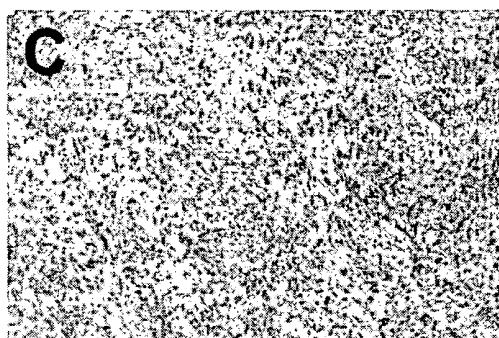


Fig. 38C

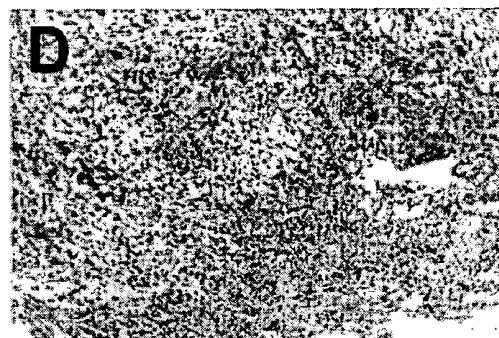


Fig. 38D



Fig. 38E



Fig. 38F

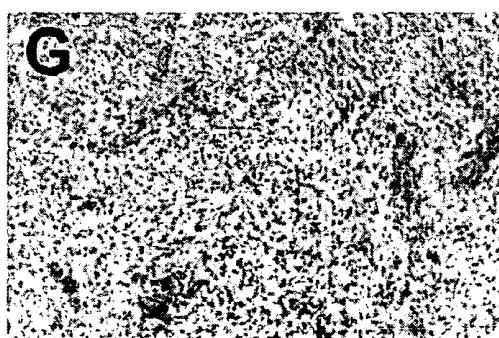


Fig. 38G



Fig. 38H

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

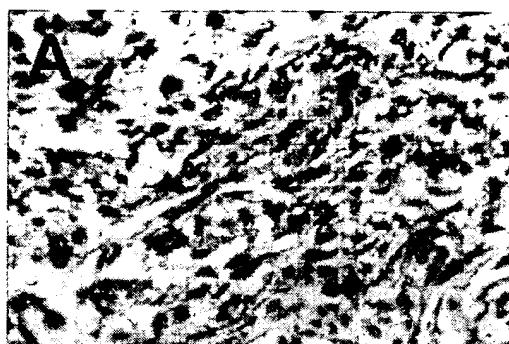


Fig. 39A



Fig. 39B

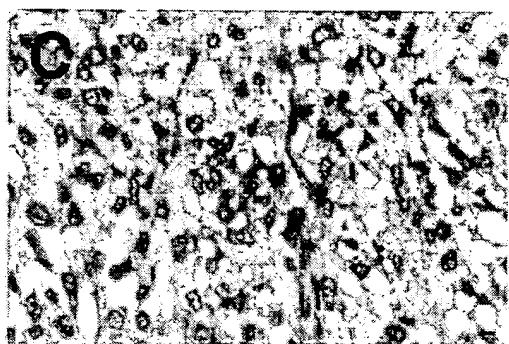


Fig. 39C

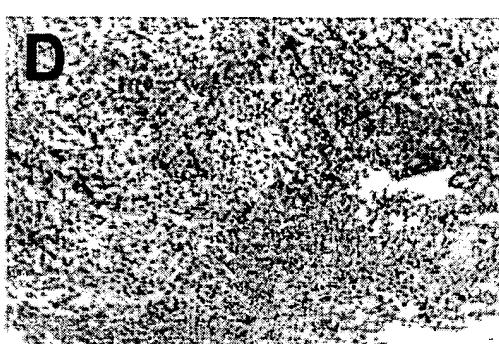


Fig. 39D

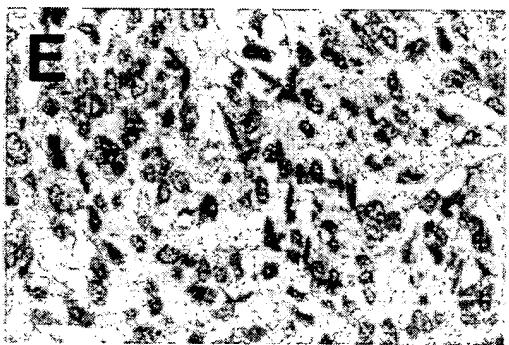


Fig. 39E



Fig. 39F

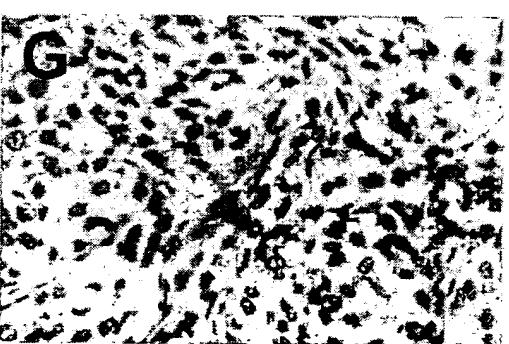


Fig. 39G

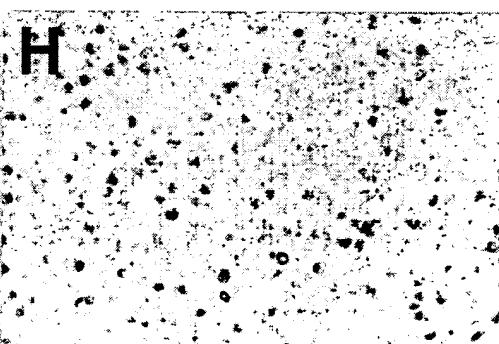
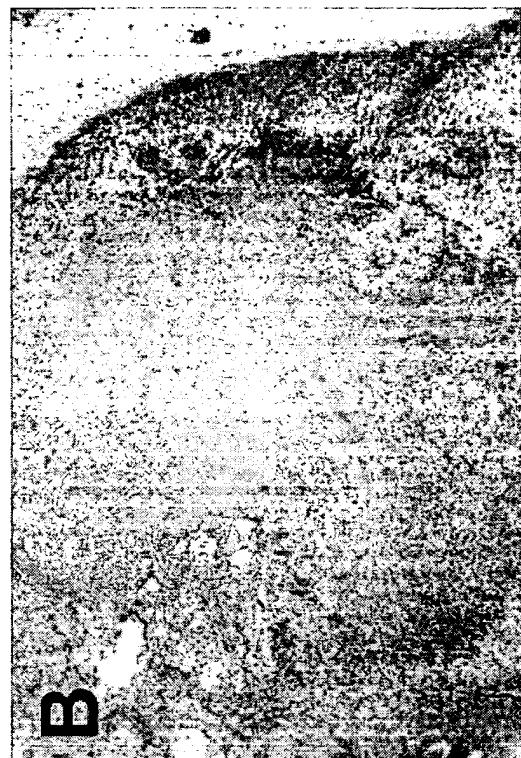


Fig. 39H

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18



B

Fig. 40B



A

Fig. 40A

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

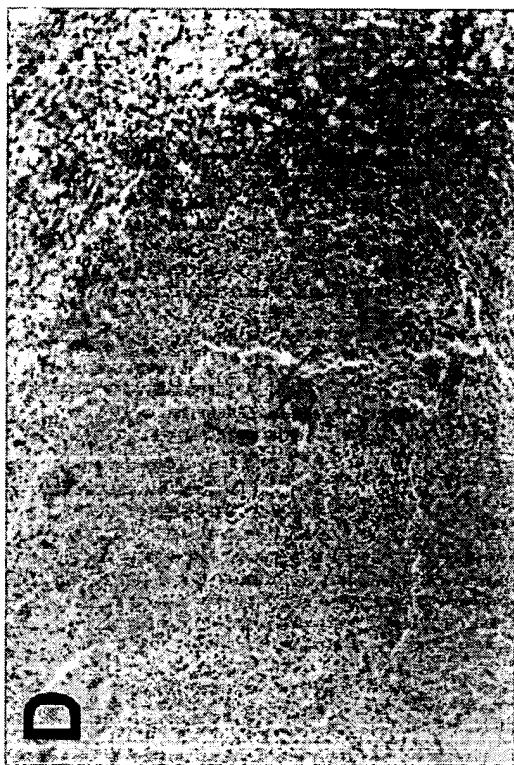


Fig. 40D

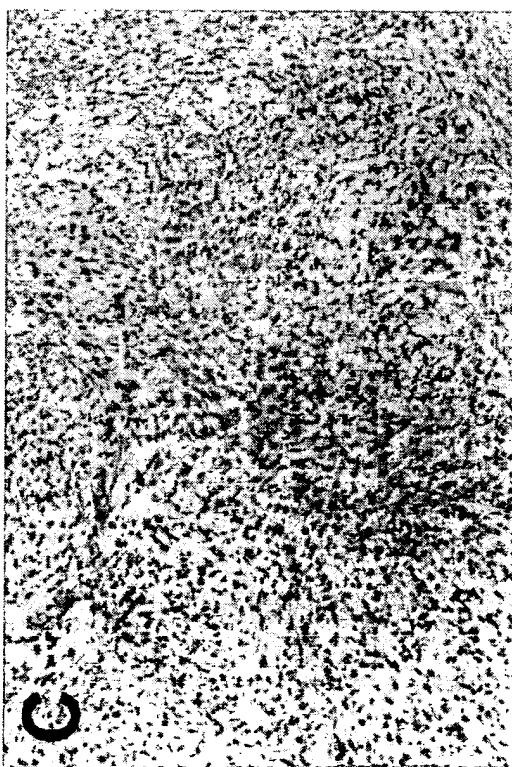


Fig. 40C

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

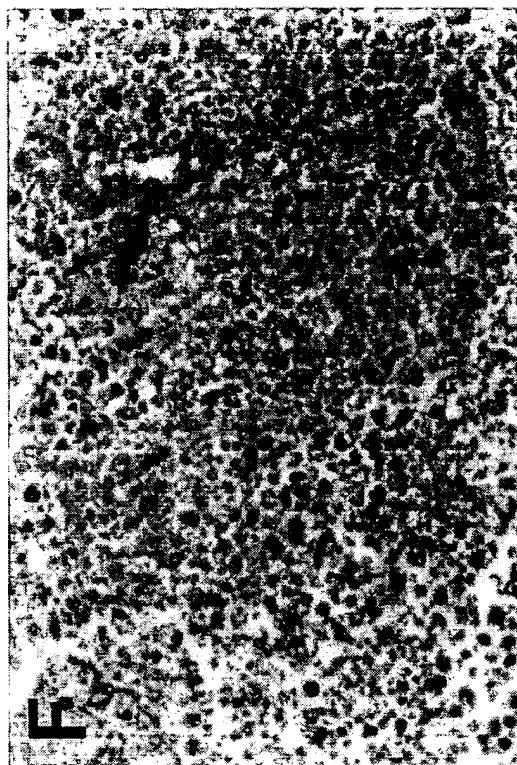


Fig. 40F



Fig. 40E

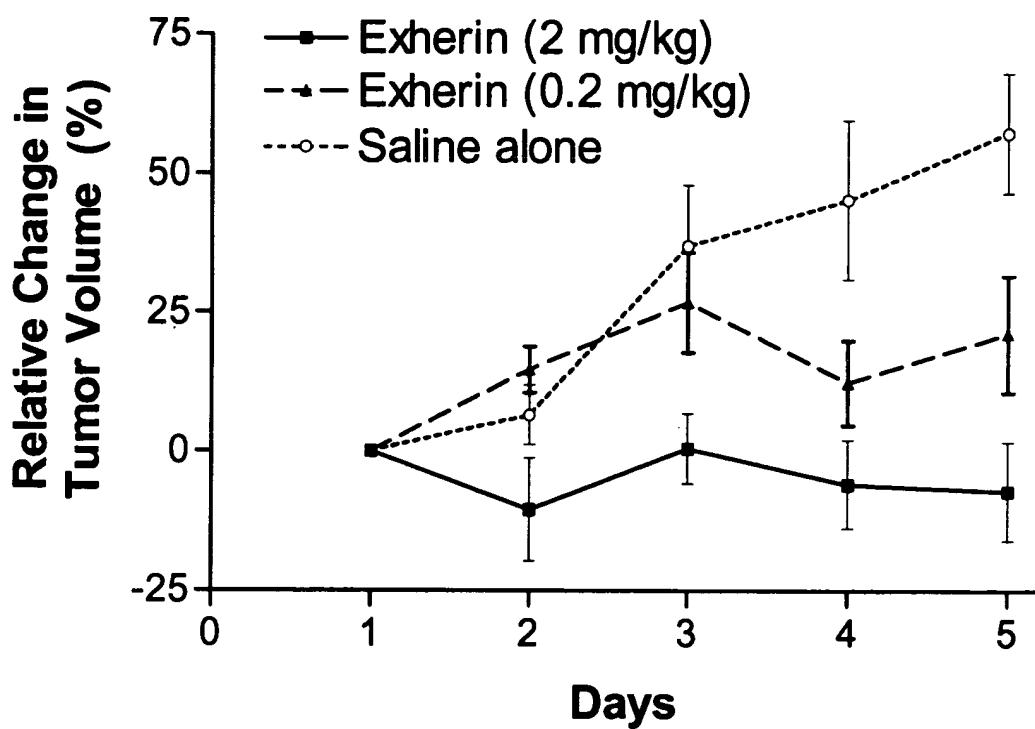


Fig. 41

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

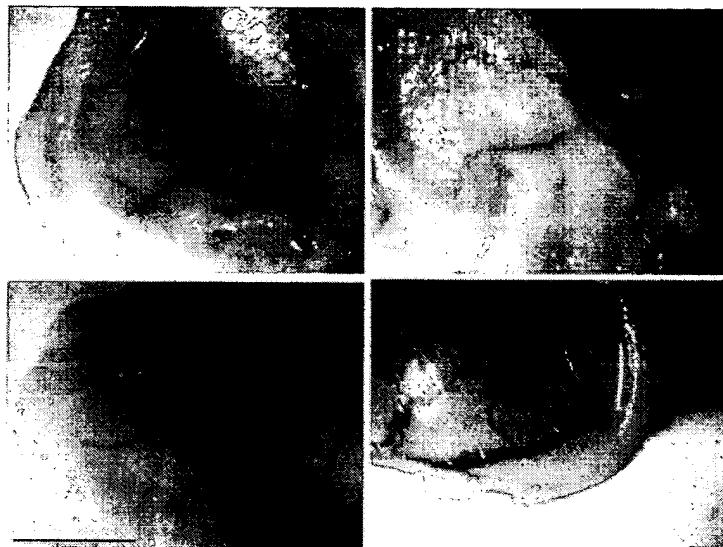


Fig. 42A

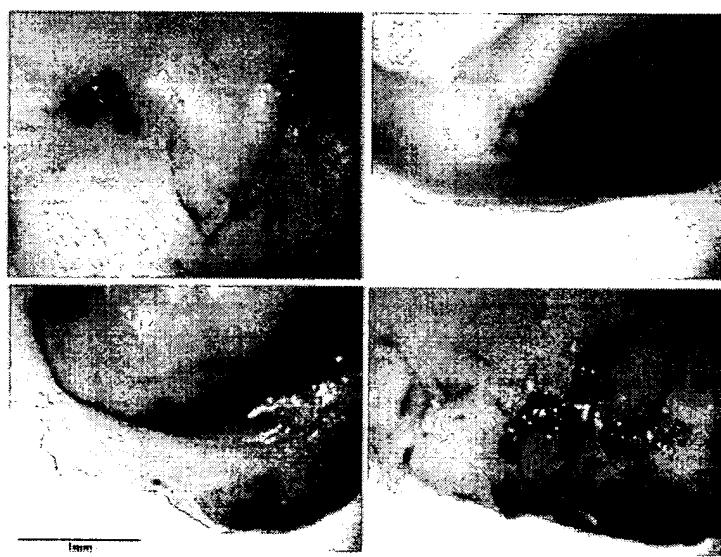


Fig. 42B

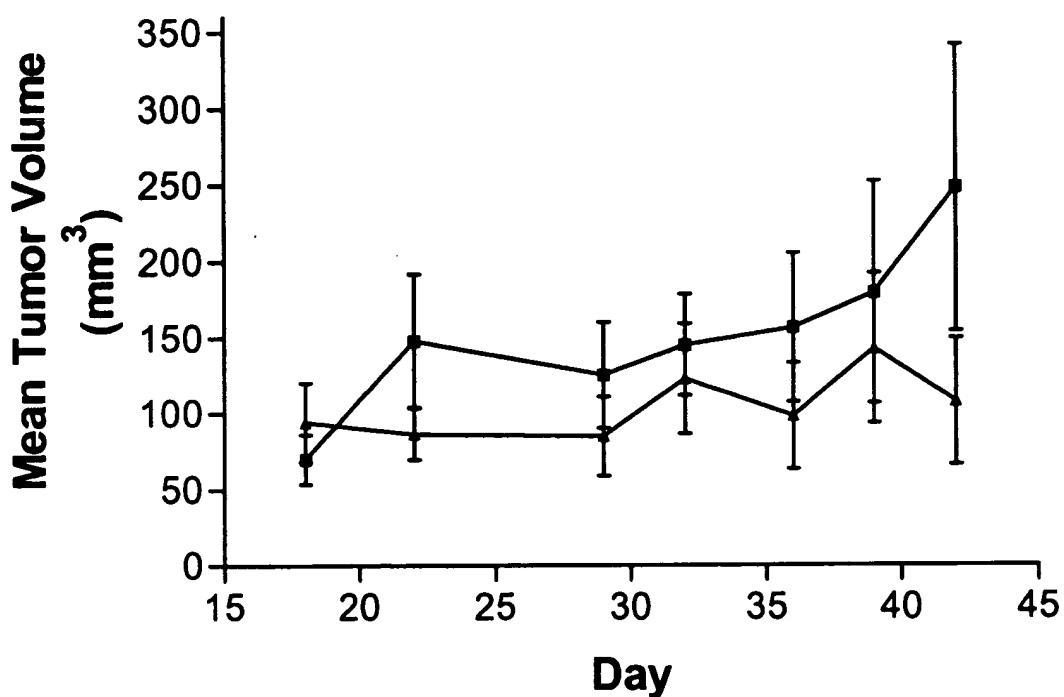


Fig. 43

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

Inhibition of neurite outgrowth with N-
cadherin specific CAR sequence
mimics (250ug/mL)

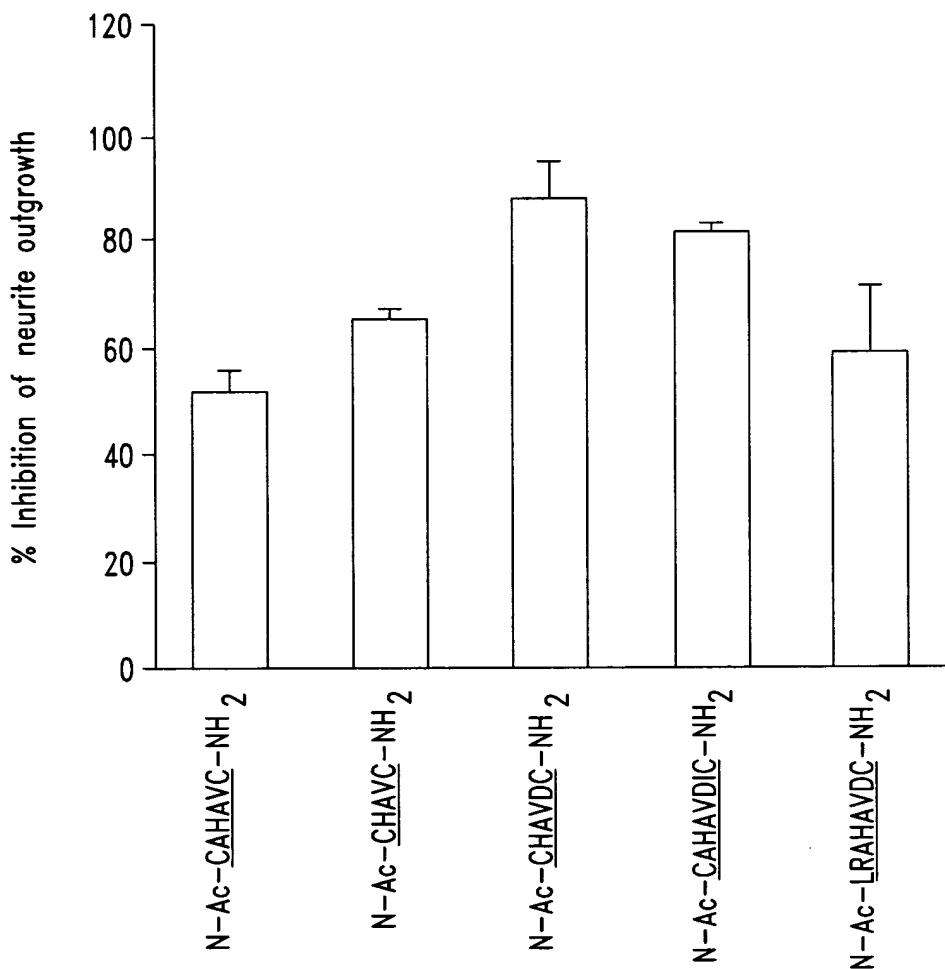


Fig. 44

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

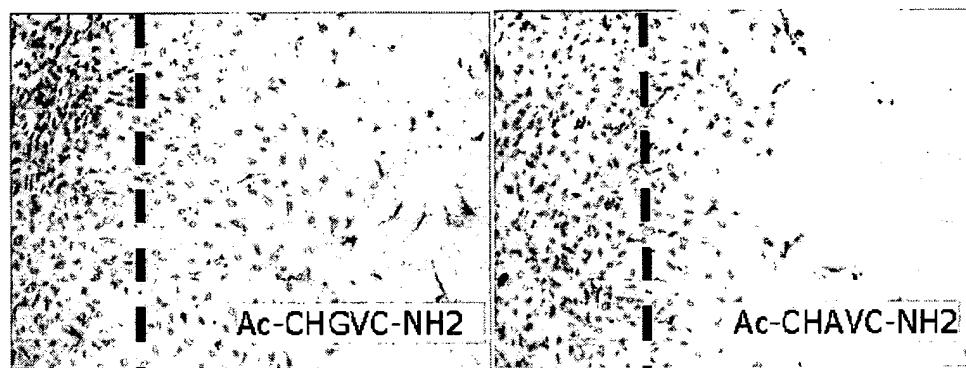


FIG. 45A

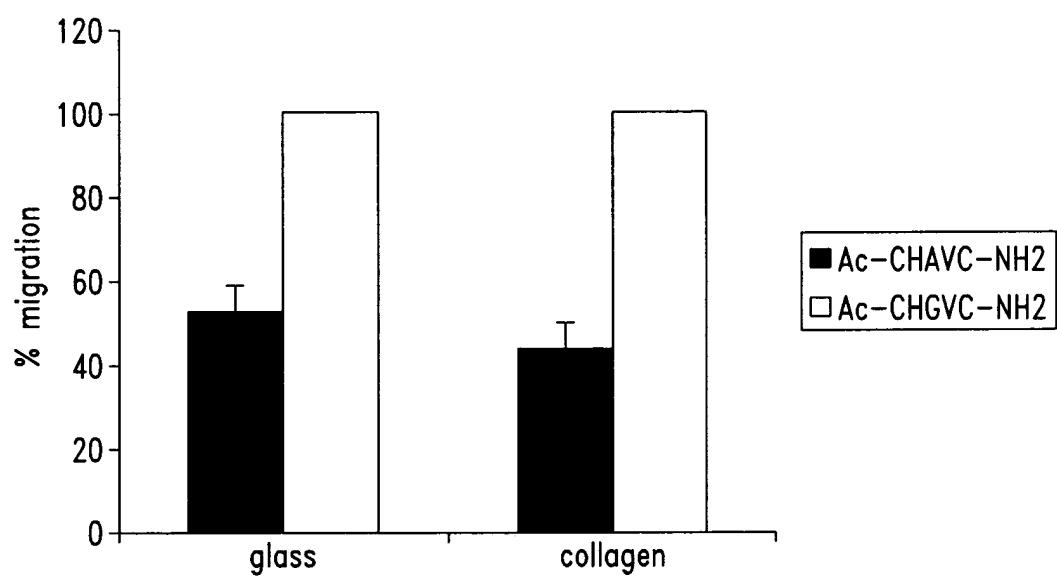


FIG. 45B

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

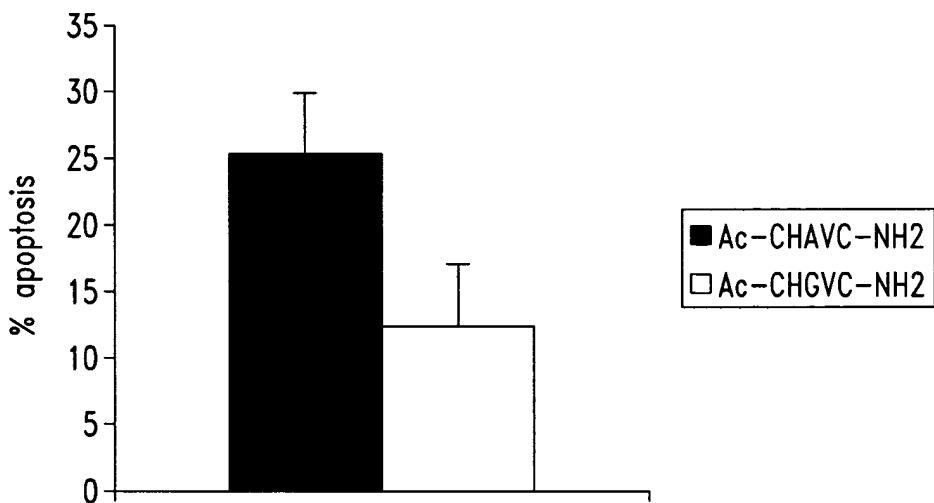


FIG. 46A

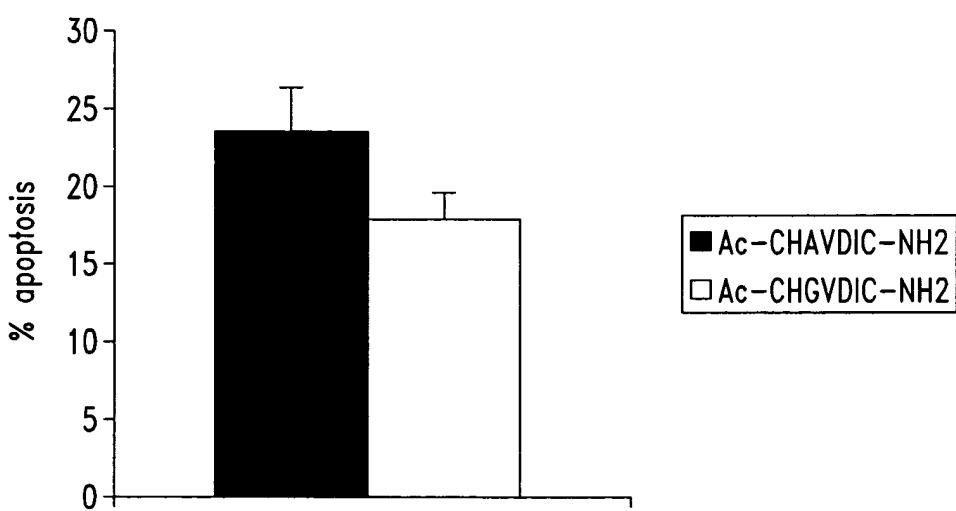


FIG. 46B

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18

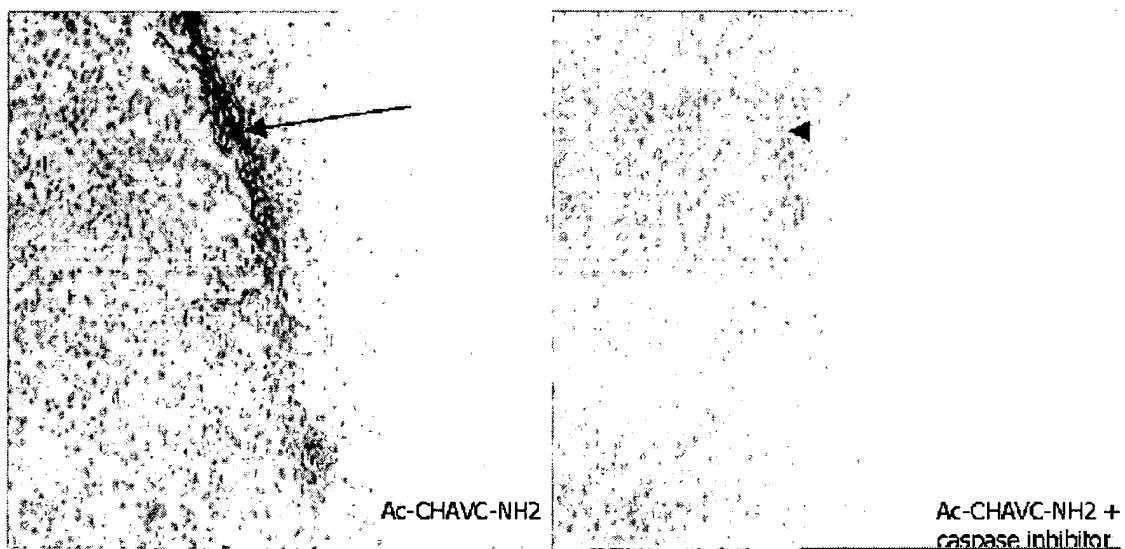


FIG. 46C

Title: COMPOUNDS AND METHODS FOR MODULATING CELL ADHESION

Inventor(s): Orest W. Blaschuk et al. Express Mail No. EV336612498US Docket No. 100086.401C18



FIG. 47A

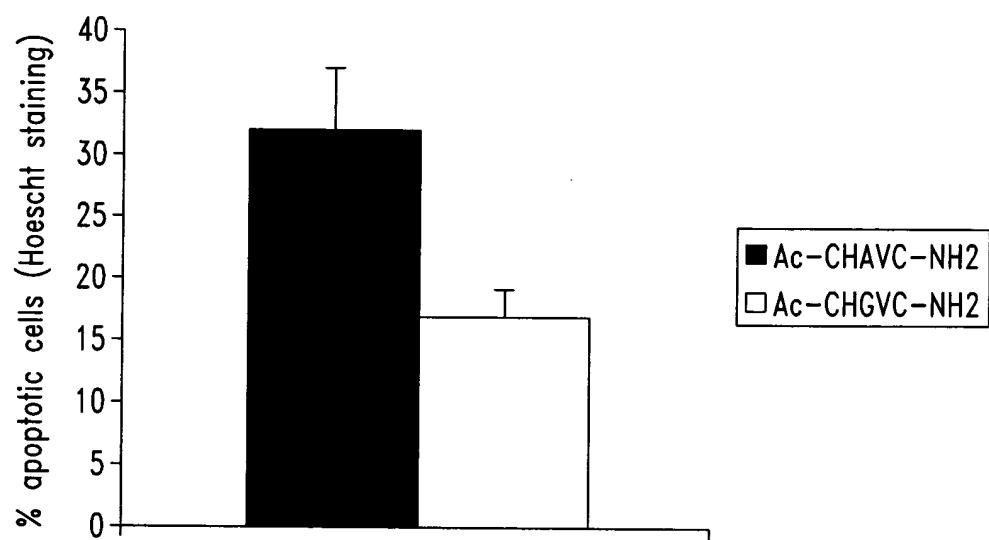


FIG. 47B